This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

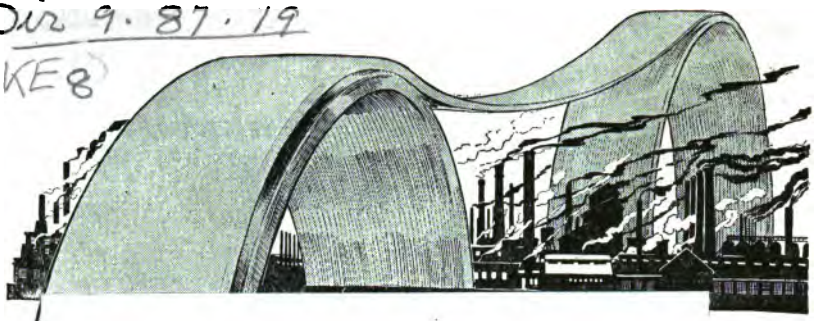
We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

Dir 9.87.19
KE8



Harvard College Library

FROM

United States Dept. Commerce,
Boston.

dilatação minima.

Fazemos uma especialidade de negocio d'exportação.
Correspondencia em qualquer lingua.

THE BRADFORD BELTING CO.

217 Walnut St. Cincinnati, Ohio, E. U. A.

Bureau of Foreign & Domestic Commerce

AMERICAN

Accessorios Especiaes para Vapor, de Alta Qualidade

Manometro Bourdon de Pressão

incluindo Manometros Bourdon de Mola Simples e Dupla, Simples e Registadores. Valvulas de Segurança de Mola Simples, Duplas e Triplices para Machinas Fixas e Maritimas e satisfazendo as especificações das Repartições de Navegação Ingleza e Franceza e todas as demais. - Relogios de Casa de Machinas, Contadores de Revoluções, Indicadores de Nivel de Agua, Torneiras de Prova, Apitos de Vapor Simples e de Carrilhão, Valvulas de Allivio, de Ferro e de Latão, para Vapor e Agua, de todas as Pressões; Filtro American para Extracção de Graxa da Agua de Alimentação, Indicadores Aperfeiçoados American-Thompson para Machinas de Vapor ou de Gaz, Separadores de Agua do Vapor American Ideal e Reguladores de Agua de Alimentação American Thermofeed.

Manometro Registador

Valvula Portatil de Segurança de Mola

Apito de Vapor

Valvula de Segurança de Mola com Corpo de Ferro e Guarnições de Latão

Separador de Agua do Vapor American Ideal

Fabricados exclusivamente pela

AMERICAN STEAM GAUGE & VALVE MFG. CO.

Escriptorio central e Fabrica: BOSTON, MASS., E. U. A.

New York Chicago Pittsburgh Atlanta

Property of Boston Office
Bureau of Foreign & Domestic Commerce

AMERICAN TRADE INDEX

Descriptive and Classified Directory of the Members of the National Association of Manufacturers of the United States of America, Arranged for the Convenience of Foreign Buyers

(Thirteenth Issue)

Directorio Descriptivo e Classificado dos Membros da Associação Nacional dos Fabricantes dos Estados Unidos da America Compilado para a Conveniencia dos Compradores.
Secção Portugueza (Parte III) Pagina 467

(Decima Terceira Edição)

1917—1918

PUBLICADO PARA A

NATIONAL ASSOCIATION OF MANUFACTURERS

NOVA YORK

1917

Econ 6830.1.12
HARVARD COLLEGE LIBRARY
GIFT OF THE
U. S. DEPT. OF COMMERCE
BOSTON
Feb. 2, 1921
Dir 9. 87. 19

SUMMARIO

			PAGINA
		Prologo, em portuguez	iii
		Conselho de Administração da Associação	iv
Parte	I	Lista alphabetica dos membros, em inglez	1
	II	Lista alphabetica dos artigos fabricados pelos membros, em inglez	269
	III	Lista alphabetica dos artigos fabricados pelos membros, em portuguez	467
	IV	Annuncios dos membros, em portuguez	503

Prologo

O "AMERICAN TRADE INDEX" (Indice do Commercio Americano) é um volume que tem sido publicado periodicamente em Inglez pela National Association of Manufacturers of the United States of America durante quasi vinte annos.

A National Association of Manufacturers é uma corporação que foi organizada em 1895, sendo um dos seus fins principaes cultivar relações commerciaes mais intimas entre os Estados Unidos da America e todos os outros paizes.

Actualmente, em 1917, quasi 4.000 dos principaes industriaes dos Estados Unidos são membros desta Associação.

O Indice é publicado e distribuido com o fim de pôr ao alcance dos commerciantes de outros paizes uma obra em que se pode confiar como guia de endereços dos principaes fabricantes dos Estados Unidos.

Embora os nomes das firmas e companhias contidos no Indice sejam unicamente os de membros da National Association of Manufacturers, estes comprehendem uma grande parte, muitas vezes a maior parte, das firmas que se acham habilitadas a negociar directamente com os importadores e commerciantes de outros paizes.

Para illustrarmos até que ponto os Estados Unidos da America se teem desenvolvido como paiz industrial, basta notar os algarismos relativos á producção dos grandes materiaes basicos para todas as operações de fabríco, isto é, ferro e aço. Durante o anno anterior á grande guerra (1913), vemos que a producção de ferro guza nos Estados Unidos foi de 30,966,000 toneladas brutas (uma tonelada bruta é quasi igual a uma tonelada metrica), contra 19,000,000 toneladas na Allemanha, 10,481,000 toneladas no Reino Unido, 5,227,000 toneladas em França, 4,474,000 toneladas na Russia, 2,235,000 toneladas na Austria-Hungria e 2,318,000 toneladas na Belgica. A producção do aço nestes paizes foi em proporção semelhante á do ferro guza. Em 1916 a producção de ferro guza nos Estados Unidos augmentou até 39,434.000 toneladas brutas, emquanto que a producção do aço de todas as especies no dito anno elevou-se a 42,773,000 toneladas brutas.

Os Estados Unidos da America são quasi tão notaveis quanto ao fabríco de artigos de lã, algodão e seda, couro e obra de couro, artigos de madeira, productos chimicos, assim como instrumentos agricolas, mechanismo em geral, ferragens, ferramentas e apparelhos de todas as especies para economisar trabalho.

Mas a melhor prova do que fica dito é a longa lista de titulos que se encontra na Secção Classificada do Indice, para a qual ha tambem um indice em Portuguez.

Quem não puder encontrar neste Indice o que procura, fica desde já cordialmente convidado a explicar o que deseja, preenchendo os impressos nas folhas de côr contidas no livro, ou por carta dirigida directamente aos escriptorios da National Association of Manufacturers, onde as suas communicações merecerão prompta attenção.

Os commerciantes estrangeiros tambem ficam cordialmente convidados a fazer uso dos escriptorios geraes da National Association of Manufacturers quando visitarem os Estados Unidos. Nestes escriptorios encontrarão elles não só livros de referencia sobre assumptos commerciaes, mas tambem empregados versados em requisitos commerciaes, bem como Portuguez e outras linguas, os quaes estarão ao seu dispor para os auxiliar ou guiar nos assumptos em que estejam interessados e, isto, sem remuneração alguma.

Se os futuros visitantes participarem antecipadamente á National Association of Manufacturers o que necessitam, a Associação fará todo o possivel para obter a informação desejada e tel-a prompta para quando vierem aos escriptorios da mesma.

NATIONAL ASSOCIATION OF MANUFACTURERS
30 Church St., New York, N. Y.

National Association of Manufacturers

of the United States of America

DIRECTORS AND OFFICERS

GEORGE POPE, Hartford, Conn., *President*
(The Walker & Barkman Manufacturing Company)

HENRY ABBOTT, New York, N. Y., *Treasurer*
(Calculagraph Company)

J. G. BATTELLE, Columbus, Ohio.
(The Columbus Iron and Steel Company)

CARLETON A. CHASE, Syracuse, N. Y.
(Syracuse Chilled Plow Company)

J. E. EDGERTON. Lebanon, Tenn.
(Lebanon Woolen Mills)

F. B. FARNSWORTH, New Haven, Conn.
(The Eastern Machinery Company)

ISAAC W. FRANK, Pittsburgh, Pa.
(United Engineering and Foundry Company)

JOHN KIRBY, JR., Dayton, Ohio.
(The Dayton Manufacturing Company)

E. B. LEIGH, Chicago, Ill.
(Chicago Railway Equipment Company)

A. J. LINDEMANN, Milwaukee, Wis.
(A. J. Lindemann & Hooverson Company)

C. B. MCCOY, Coshocton, Ohio.
(The Coshocton Glove Company)

STEPHEN C. MASON, Pittsburgh, Pa.
(The McConway & Torley Company)

CONSTANT MEESE, San Francisco, Cal.
(Meese & Gottfried Company)

C. EDWIN MICHAEL, Roanoke, Va.
(Virginia Bridge and Iron Company)

M. W. MIX, Mishawaka, Ind.
(Dodge Manufacturing Company)

ADOLPH MUELLER, Decatur, Ill.
(H. Mueller Manufacturing Company)

ENOS PAULLIN, Bridgeton, N. J.
(Ferracute Machine Company)

E. C. SPEAR, Springfield, Mass.
(Cheney Bigelow Wire Works)

CHARLES L. TAYLOR, Hartford, Conn.
(The Taylor & Fenn Company)

ALBERT J. THORNLEY, Providence, R. I.
(Narragansett Machine Company)

JOHN TRIX, Detroit, Mich.
(American Injector Company)

WILLIAM P. WHITE, Lowell, Mass.
(Lowell Paper Tube Corporation)

General Manager and Assistant Treasurer

J. P. BIRD, New York, N. Y.
(General Offices)

Secretary

GEORGE S. BOUDINOT, New York, N. Y.
(General Offices)

Assistant Secretary and Manager Foreign Trade Department

WILLIAM M. BENNEY, New York, N. Y.
(General Offices)

AMERICAN TRADE INDEX

Part I

Alphabetical List of Members

of the

National Association of Manufacturers

A. P. W. Paper Company, 1273 Broadway, Albany, N. Y. Export office, 547 Greenwich street, New York. Toilet paper and paper towels. Cable address, "Wheeler," Albany. Codes, Western Union and Lieber's.

Abbé Engineering Company, 220 Broadway, New York. Pulverizing machinery; pebble mills; tube mills; rotary cutters for cutting up scrap leather, rubber, spices, wood, etc.; pressure blowers; vacuum pumps; filter presses; oil or gas furnaces for tempering, annealing, rivet heating, etc.; centrifugal pumps; soldering iron furnaces. Jobbers of silk bolting cloth imported from Switzerland. Cable address, "Mabbe," New York.

Charles T. Abeles & Co., Little Rock, Ark. Sash, doors and general mill work; rough and dressed yellow pine lumber; shingles; lath.

Abrasive Company, Tacony and Fraley streets, Bridesburg, Philadelphia, Pa. Grinding wheels. Foreign agents: C. W. Burton, Griffiths & Co., London, England; Fenwick Frères & Co., Paris, France; Alfred Herbert, Ltd., Milan, Italy; Wilh. Sonesson & Co., Malmo, Sweden, and Copenhagen, Denmark; Post Van der Burg & Co., Rotterdam, Holland; B. K. Marton, Ltd., Melbourne and Sydney, Australia, Montreal and Toronto, Canada. Cable address, "Abrasive," Philadelphia. Codes, Lieber's and Western Union.

Acheson Graphite Company, Buffalo avenue, Niagara Falls, N. Y. New York office, 90 West street. "Acheson-Graphite" electrodes, anodes, cathodes, rods, tubes, plates, discs, stirrers, crucibles, molds, muffles, contacts; powdered graphite for dry cell filler, paint pigment, stove polish, pencils, electrotypers' leads, boiler use, etc. "Gredag," a grease lubricant containing pure gritless "Acheson-Graphite." Foreign agents: E. G. Acheson, Ltd., 5 Chancery Lane, London, W. C., England; Acheson Graphite Company, Toldbodgd. 3, Christiania, Norway. Cable address, "Graphite-Niagara Falls, New York State." Codes, A B C Fourth and Fifth editions, Lieber's.

The Acme Foundry Company, 5217 Sweeney avenue, Cleveland, Ohio. Light grey iron castings.

The Acme Machinery Company, 4533 St. Clair street, Cleveland, Ohio. Bolt and nut machinery, bolt threading machines, nut tappers, bolt and rivet heading machines, nut burring machines, bolt pointing machines, upsetting

and forging machines. Foreign agents: C. W. Burton, Griffiths & Co., London, England; Henry W. Peabody & Co., Melbourne and Sydney, Australia; John Bertral & Sons, Dundas, Canada. Cable address, "Acme," Cleveland. Codes, Lieber's and A B C Fourth edition.

Acme Rubber Manufacturing Company, Trenton, N. J. New York office, 30 Church street; Chicago office, 1475 Michigan avenue; Boston office, 274 Devonshire street; St. Louis office, 1122 Pine street; San Francisco office, 530 Howard street. Cotton rubber-lined mill, fire and garden hose; rubber belting and packing of all descriptions; rubber valves and tubing; rubber fruit jar rings, all kinds; rubber mats and matting; enameled rubber carriage duck and drill; rubber carriage tires; automobile tires; rubber-covered insulated wires and cables; mechanical rubber goods of almost every description. Cable address, "Rekarub," Trenton and New York. Codes, Western Union, A B C, Lieber's and Atlantic Directory.

The Acme Shear Company, 200 Hicks street, Bridgeport, Conn. Barbers', tailors' and household shears; embroidery, manicure and buttonhole scissors; blunt and pointed end scissors; tinners' snips; sewing and desk sets. Cable address, "Shearco," Bridgeport. Codes, A B C Fifth edition and Western Union.

Acme Steel and Malleable Iron Works, Inc., 245 Military road, Buffalo, N. Y. Malleable iron and steel castings, metal and wood patterns. Cable address, "Acme," Buffalo. Code, Western Union.

The Acme Wire Company, New Haven, Conn. New York office, 39 Cortlandt street. Magnet wire, field coils, solenoids, electro magnets. Cable address, "Acme," New Haven. Code, Western Union.

Acorn Insulated Wire Company, Inc., 77 Richards street, Brooklyn, N. Y. Insulated wire.

Frank Adam Electric Company, 914 Pine street, St. Louis, Mo. Panel boards, cabinets, switchboards and knife switches for both lighting and power service.

The Adams Manufacturing Company, 31 East Thirty-second street, New York. Millinery buckram, hat materials, buckramette, frame materials, panama cloths, willowette, rice nets, hat nets, crinolines, tarlatanes, chiffonettes, cotton linings, mercerized linings, mosquito nettings and screen net.

Adams Shoe Company, Lynn, Mass. Women's shoes. Cable address, "Adams," Lynn. Code, Lieber's.

Adams & Elting Company, 716 Washington boulevard, Chicago, Ill. New York office, Woolworth building. "Ad-el-ite" paint and varnish remover, fillers, stains, varnishes, mixed paints and varnish stains; "Naples Velvet" finish; "Amel-ite," the enamel that stays white; "Hy-pol" piano and furniture polish; "Shi-nite" metal polish; hygienic kalsomine.

The Adams & Westlake Company, Chicago, Ill. New York office, 50 Church street. Railway signal lamps, railway car and ship hardware, car lighting fixtures, washstands and folding lavatories, water closets, headlights, lanterns, switch locks and automobile lamps. Jobbers of railway porcelain, lantern globes, lenses, chimneys, burners and wicks. Foreign agents: Dixon & Hollins, Buenos Aires, Argentina. Cable address, "Adlake," Chicago. Codes, A B C Fifth edition, Western Union and Lieber's.

The Adamson Machine Company, 730 Carroll street, Akron, Ohio. Rubber working machinery, engineers, machinists and iron and steel founders. Cable address, "Adamson," Akron. Code, Western Union.

Addressograph Company, 901 West Van Buren street, Chicago, Ill. New York office, 740 Broadway. Addressing machines, type embossing machines and rubber type. Cable address, "Addresso," Chicago. Code, A B C.

Adler & Ast, 8 West Thirty-third street, New York. Ladies' and misses' dresses and costumes.

David Adler & Sons Clothing Company, Milwaukee, Wis. Men's and youths' clothing.

L. Adler Brothers & Company, Rochester, N. Y. New York office, 200 Fifth avenue. Men's and young men's suits, overcoats and evening dress clothes. Cable address, "Adler," Rochester. Codes, A B C Fifth edition and Western Union.

Adlerhurst Iron Company, 52 Richard street, New Haven, Conn. Architectural and ornamental iron, such as stairs, elevator enclosures, railings, grilles, fences, fire escapes.

Adriance Machine Works, Inc., 254 Van Brunt street, Brooklyn, N. Y. Presses, dies, tools for working sheet metal, wire and paper; crowning machines for crown capping and sealing bottles, crown cap making equipment. Cable address, "Admaw," Brooklyn. Codes, Lieber's and A B C Fifth edition.

The John B. Adt Company, 326 North Holliday street, Baltimore, Md. Tobacco preparing machinery; freight elevators; dryers for cereals, corn, rice, powders and prepared foods; pasteurizers for beer. Jobbers in pipe, fittings, belting, machinists' hand tools, etc. Cable address, "Adt," Baltimore. All codes.

The Advance Bag Company, 155 North Broad street, Middletown, Ohio. Paper bags.

The Advance Glass Company, Newark, Ohio. Rough rolled sheet glass, plain and colored, crystal and figured, variegated and opal. Cable address, "Adglassco," Newark, Ohio.

The Advance Machinery Company, 519 Hamilton street, Toledo, Ohio. New York office, 82 Walker street. Glue heaters, glue spreaders, glue pots, glue room equipment, veneer presses, ball-bearing wood shapers, high-speed milling cutters, special machinery of any kind. Jobbers of factory trucks. Foreign agents, Andrew & Suter, 23 Goswell road, London, E. C., England. Cable address, "Wetag," Toledo.

Advance-Rumely Thresher Company, Inc., La Porte, Ind. Agricultural implements; steam, gas and oil tractors; threshers; hullers for clover, lucerne and alfalfa; gang plows. Foreign agents: Rumely Products Company, 236 Calle Balcarce, Buenos Aires, Argentina, and P. O. B. 276, Odessa, Russia. Cable address, "Rumley," La Porte. Codes, A B C Fifth edition, Lieber's and Western Union.

The Aeolian Company, 29 West Forty-second street, New York. Factory at Meriden, Conn. Pianos, pianola-pianos, "Aeolian" organs, "Aeolian Vocalions," and music rolls. Foreign agents: The Orchestralle Co., Ltd., London, England; The Aeolian Co., Paris, France; The Pianola Co., Pty., Ltd., Melbourne and Sydney, Australia.

Air-Tight Steel Tank Company, Mansion and B. & O. Railroad, Pittsburgh, Pa. Steel tanks: air receivers, pneumatic, oil storage, high and low-pressure gas and air storage; gasoline pumps and storage tanks; "Atsco" orchard power sprayers. Machinists. Cable address, "Airtight," Pittsburgh. Code, Western Union.

Ajax Manufacturing Company, 3830 Lakeside avenue, Cleveland, Ohio. New York office, 50 Church street. Bolt and rivet heading machines, rivet heading machines, forging machines, upsetting machines, nut machines, forging rolls, scrap reclaiming rolls, bulldozing and bending machines, hot sawing and burring machines and axle upsetting machines. Foreign agents: Charles Churchill Co., Ltd., London, England; Benson Brothers, Ltd., Sydney, Australia; Allied Machinery Co. of America, 120 Broadway, New York,

agents for Russia, Italy, France, Belgium and Switzerland. Cable address, "Ajaxco," Cleveland. Codes, New Business, Lieber's old edition and Western Union.

Ajax Rubber Company, Inc., 1796 Broadway, New York. Pneumatic motor cycle and motor car tires and inner tubes. Cable address, "DeLisser," New York. Code, Western Union.

The Akron Foundry Company, 526 Washington street, Akron, Ohio. Gray iron castings.

The Akron Rubber Mold and Machine Company, 917 Sweitzer avenue, Akron, Ohio. Tire building equipment and tire repairing equipment.

Alabastine Company, 1645 Grandville avenue, Grand Rapids, Mich. Export office, 58 Randolph street, Chicago, Ill. "Alabastine," a sanitary wall coating. Cable address, "Alabastine," Grand Rapids. Codes, A B C, Western Union and Lieber's.

Alamo Iron Works, San Antonio, Texas. Original "Alamo" duplex pump jacks, "Alamo" safety deep well cylinders, and other pumping machinery and supplies.

Alaska Packers Association, 85 Second street, San Francisco, Cal. Canned salmon, salt salmon and salmon paste. Export agents, Balfour, Guthrie & Co., 350 California street, San Francisco, Cal. Cable address, "Naknek," San Francisco. Codes, A 1, A B C and Western Union.

The Alaska Refrigerator Company, Muskegon, Mich. New York office, 901 New York Furniture Exchange. Refrigerators. Cable address, "Alaskice," Muskegon. Code, Lieber's.

Albany Chemical Company, 2 Broadway, Albany, N. Y. A general line of medicinal, photographic and technical chemicals. Cable address, "Ketones," Albany. Codes, Western Union, Lieber's and A B C Fourth edition.

Albany Felt Company, Albany, N. Y. Paper makers' felts and jackets. Foreign agents: W. I. Taylor & Co., 126 Queen Victoria street, London, England; Hoistendahl & Juel, Christiania, Norway. Cable address, "Afeltco," Albany.

The Albemarle Paper Manufacturing Company, Richmond, Va. New York office, 41 Park Row. Blotting and absorptive papers. Jobbers in stereotype tissue. Cable address, "Worldblot," Richmond. Codes, A B C Fourth, Fifth and Fifth Improved editions, Western Union and Lieber's.

Alberger Pump and Condenser Company, 140 Cedar street, New York. Steam, surface, centrifugal and barometric condensers; centrifugal, turbine, volute and vacuum pumps; feed water and hot water service heaters; "Hammond" water meters; expansion joints; cooling towers; steam turbines. Cable address, "Conalber," New York. Codes, Lieber's and Western Union.

Albers Brothers Milling Company, Railway Exchange building, Portland, Ore. New York office, 23 Beaver street. Oat groats, rolled oats, flaked wheat, "Pearls of Wheat," "Farina," rye flour, rye meal, whole wheat flour, graham flour. Jobbers of grain and hay. Cable address, "Albers," Portland, Ore.; Seattle and San Francisco. All codes.

Aldrich Brothers, 1115 Turks Head building, Providence, R. I. Plain and fancy cotton and silk mixtures, marquisettes and curtain cloths.

Alexander Brothers, 410 North Third street, Philadelphia, Pa. Export office, room 2315, Singer building, New York. Leather belting, leather specialties and sole leather.

Alexander & Littlefield Company, 213 Grand street, New York. Metal goods.

G. S. Alexander & Company, Inc., 61 Broadway, New York. Acidulated fishscrap, dried fishscrap and crude Menhaden fish oil. Jobbers of fertilizer materials, chemicals and oils. Cable address, "Fertalex," New York. Codes, Western Union and A B C Fifth edition.

Alger, Smith & Company, Duluth, Minn. White pine and Norway pine lumber in the rough; white pine lath and shingles.

Algonquin Printing Company, Fall River, Mass. New York office, 71 Worth street. Printers, dyers and bleachers of cloth in indigos, reds, clarets, greys, blacks, shirtings and 36 in. percales, also indigo and red handkerchiefs.

Allcock Manufacturing Company, 274 Canal street, New York. Porous plasters.

Allegheny Plate Glass Company, Glassmere, Pa. Polished plate glass for store fronts, residence windows, automobile wind shields and best quality of mirrors. Cable address, "Allglass," Glassmere.

Allegheny Steel Company, 2332 Oliver building, Pittsburgh, Pa. New York office, 90 West street. Open hearth steel and iron ingots, slabs, billets, sheet bars, sheared plates 3/16 in. to 1¼ in. thick, sheets number 10 to 29 gauge, lap welded boiler tubes 2 in. to 6 in. outside dimension up to 22 ft. long, hot pressed stampings, wrought washers, forgings and steel castings. Code, Western Union.

Allen, Lane & Scott, 1211 Clover street, Philadelphia, Pa. Railroad, commercial and legal printers.

The Allen Manufacturing Company, 135 Sheldon street, Hartford, Conn. Safety set screws and cap screws with hexagon-shaped holes, tap extensions. Foreign branch, 173 Princess street, Manchester, England.

The Allen Motor Company, Fostoria, Ohio. New York agent, The Stewart Auto Company, 225 West Fifty-seventh street. Pleasure automobiles. Cable address, "Allenmo," Fostoria. Codes, A B C Fifth Improved edition and Western Union.

S. L. Allen & Co., Denckla building, corner Eleventh and Market streets, Philadelphia, Pa. Agricultural implements: seeders; wheel and horse hoes; harrows; pivot wheel, alfalfa, sugar beet and orchard cultivators. "Flexible Flyers" and "Fire Fly" steering sleds. Cable address, "Planetjr," Philadelphia. Codes, A B C Fourth and Fifth editions, Harvey's Abecedary, A 1 and Lieber's.

The Allentown Manufacturing Company, 24 South Sixth street, Allentown, Pa. Ready-mixed paints, cement paints, enamel paints, dry colors, liquid and paste wood fillers, varnish stains, flat wall paints, japan driers, graphite paints, metallic oxide paints, non-corrosive paints, oil stains, paste paints, roofing cement, shingle stains, wagon and carriage paints, etc.

The Alliance Machine Company, Mahoning avenue, Alliance, Ohio. Electrical machinery, such as traveling cranes, charging and drawing machinery, bucket handling cranes, traveling ladle cranes, soaking pit cranes and strippers; hydraulic machinery, riveters, etc.; rolling mill machinery; scale cars; steam hammers; charging larries and copper converting machinery. Cable address, "Allco," Alliance. Code, Western Union.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Export office, 50 Church street, New York. Air brakes, compressors, crushing machinery, perforated metals, flour mill machinery, timber treating and preserving machinery, saw mill machinery, pumping machinery, hoists, power transmission machinery, steam engines, gas engines, cement machinery, condensers, mining machinery, steam turbines and electrical apparatus. Foreign agents: John Chambers & Sons, Ltd., Auckland, New Zealand; Herbert Ainsworth, Johannesburg, South Africa; International Engineering and Trading Com-

pany, Petrograd, Russia; American Trading Co., Shanghai, China; Frank R. Perrot, Sydney and Perth, Australia; American Trading Co., Yokohama, Japan. Cable address, "Founders," Milwaukee. Codes, Lieber's, A B C, Western Union, McNeill's, A 1 and Moerieng & Neal.

Allith-Prouty Co., 819 North Bowman avenue, Danville, Ill. New York office, 244 Water street. Builders' hardware. Foreign agents: Boorman, Franks & Falconer, Ltd., Sydney, Australia, agents for Australasia. Cable address, "Allith," Danville. Codes, Western Union and A B C Fifth edition.

The Allyne-Ryan Foundry Company, Aetna road and East Ninety-first street, Cleveland, Ohio. Automobile cylinders, pistons, fly wheels, crank and gear cases and other automobile castings. Code, Western Union.

Alma Manufacturing Company, 611 South Monroe street, Baltimore, Md. New York office, 45 East Seventeenth street. Buttons for the clothing trade, glove fasteners, fasteners for the novelty and the automobile trades, buckles for clothing, belt and shoe manufacturing trades.

Almy Water Tube Boiler Company, 184 Allen's avenue, Providence, R. I. "Almy" water tube boilers. Cable address, "Almyboiler," Providence. Code, Western Union.

Alpha Portland Cement Company, Easton, Pa. Export office, 50 Church street, New York. Portland cement. Cable address, "Buyalpha," New York. Codes, Western Union, Lieber's, A B C Fifth and Fifth Improved editions.

Alpha Silk Throwing Company, Alpha, N. J. Silk throwing.

Henry Altemus Company, 1326 Vine street, Philadelphia, Pa. Publishers of books.

The Aluminum Castings Company, 6205 Carnegie avenue, Cleveland, Ohio. "Lynite" (aluminum) castings, pistons, automobile parts. "Lynux" (brass and bronze) castings, bearings and bushings. Cable address, "Allyne alloys," Cleveland.

Aluminum Goods Manufacturing Company, Manitowoc, Wis. Export office, 30 Church street, New York. Aluminum combs, cups, cooking utensils, kitchen specialties, advertising specialties, signs, screw caps and boxes, canteens and castings. Cable address, "Alumina," New York. Codes, Lieber's, Western Union, A B C Fourth and Fifth editions.

Alvin Manufacturing Company, 52 Maiden Lane, New York. Sterling and plated silverware. Cable address, "Fahys," New York. Code, A B C.

Amazon Knitting Company, Muskegon, Mich. Women's and children's cotton knit summer vests.

The American Ball-Bearing Company, foot West Eighty-third street, Cleveland, Ohio. Axles for motor cars. Cable address, "Bearings," Cleveland.

The American Belting Companies, Baltimore, Md. Stitched canvas belting and leather belting. Cable address, "Abelco," Baltimore. Codes, A B C Fourth and Fifth editions.

American Blower Company, Detroit, Mich. Export office, 141 Broadway, New York. Fan system of heating and ventilating; forced draft apparatus, steam hot blast apparatus; steam, automatic and vertical engines; radiation (indirect); steam, return and separating traps; dust separators; electric light plants, exciter and generating sets; dryers: brick, lumber and special; blowers: centrifugal, sirocco, forge, gas, laundry, pressure, utility and volume; dry kilns, trucks, doors and fixtures for same; fans: electric, steam, disc, cobe, centrifugal, exhaust, propeller, sintering, ventilating, steel plate; air washers; heaters: unit and pipe coil. Cable addresses, "Ventilator," Detroit; "Amblowco," New York. Codes, Lieber's, Western Union, A B C, Postal and private.

American Bobbinet Company, Newburgh, N. Y. New York office, 135 Fifth avenue. Plain lace or bobbinet. Cable address, "Lackey," Newburgh. Codes, A B C Fourth and Fifth editions.

American Box and Lumber Company, 105 Main street, Nashua, N. H. Lumber, boxes and box shooks. Cable address, "Amboxlumco," Nashua, N. H.

American Brake Shoe and Foundry Company, 30 Church street, New York. Brake shoes for steam and electric railways, malleable iron and gray iron castings, iron car wheels.

The American Brass Company, 414 Meadow street, Waterbury, Conn. New York office, 195 Broadway. Brass, copper and German silver in every variety of sheets, rolls, plates, wire and rods; seamless and brazed tubing, mouldings, angles and channels, circles, blanks and shells, turbine material. Cable address, "Ambraco," Waterbury. Codes, A B C, A 1 and Lieber's.

American Can Company, 120 Broadway, New York. Branches in Chicago, Ill.; San Francisco, Cal.; Portland, Ore.; Vancouver, British Columbia, and Hamilton, Ontario, Canada. Ash, paper, oily waste and garbage cans; adding machines, fly traps, cartons, tin boxes, cigar and tobacco boxes, insect powder guns, turpentine cups, jar caps, trunk covering, druggists' tinware, orchard heaters and salamanders. Cable address, "Amcanco," New York. Codes, Western Union and Lieber's.

American Car and Foundry Company, 165 Broadway, New York. Cars: coal, freight, hand and push, logging, mining, passenger, plantation, cane, railway construction and inspection, ballast, refrigerator, stock, street, tank, wrecking, caboose, electric, sub-station, suburban, dump, gondola, box, fruit and flat; car parts, steel underframes, car castings, iron castings, car forgings, trucks for cars, car and locomotive wheels and car axles; cabinet work, doors, sash and blinds, merchant bar iron, cast iron lamp posts, nuts and bolts, valves; cast iron flanged water and gas pipe; oil storage tanks; shipbuilders. Cable address, "Nallim," New York. Codes, Lieber's, Western Union, A B C, General Telegraph and Master Telegraph.

American Cement Tile Manufacturing Company, 2223 Oliver building, Pittsburgh, Pa. New York office, 50 Church street. Reinforced cement tile roofing. Cable address, "Bonanza," Pittsburgh. Code, Western Union.

American Chain Company, Inc., Bridgeport, Conn. Export office, 106 Lafayette street, New York. "Campbell" self-spreading cotter pins, "Weed" and "Rid-O-Skid" tire chains, other chains under trade names "Eureka," "American," "Niagara," "Tenso Niagara" and "Lock Link," as follows: agricultural, anti-spreader, arc lamp, automobile tire lock and towing, awning, baggage car door, hanging basket, binding, bit, brass, bronze, caboose, cage, car, car fender, cart, cattle, chandelier, conductor valve, coil, copper, steam hose coupler, cog, dog, elevator, fancy iron and steel, fish net, flat link, furnace, galvanized, halter, hammock, harness, heel, horse and post hitching, hydrant, jockey, key, leads, loom friction, leather covered, machinery, motorcycle, padlock, picket, picture, pipe hanger, plumbers', pulley, pump, platform guard, railroad, rein, saddlery, safety, sash, sign, spreader, sprocket, stake, steel, swing, tie, tie-out, tire holding, trace, transfer, transmission, transom, wagon, weldless, well, windmill and wire. Foreign agents: W. P. Notcutt, Ltd., 8 White street, Moorefields, E. C., London, England; J. J. Mann, Paris, France. Cable addresses, "Amchain," New York; "Acco," Bridgeport. Codes, Western Union, A B C and Lieber's Fifth edition.

American Chicle Company, 1 Madison avenue, New York. Chewing gum and breath perfumes. Brands, "Adams'" and "Sen Sen." Foreign agents:

Tutti Frutti Sen Sen Company, 56 Newcomen street, Borough S. E., London, England; Canadian Chewing Gum Company, Ltd., 405 Logan avenue, Toronto, Ontario, Canada. Cable address, "Amchicle," New York. Codes, Western Union, A B C Fourth and Fifth editions.

The American Clay Machinery Company, Bucyrus, Ohio. New York office, 50 Church street. Brick machinery, barrows and trucks, blower and exhaust fans, brick conveying machinery, clay crushers, clay disintegrators, sewer pipe machinery, roofing tile machinery, sand lime brick machinery, dry and wet grinding pans, chaser mills, belt and drag conveyors, bucket elevators, kiln irons, hand and power brick represses, dump cars, cable hoists, tunnel dryers, dry and transfer cars. rotary direct heat dryers for sand and clay, steam shovels and screens. Cable address, "Brick," Bucyrus or Willoughby. Code, A B C Fifth Edition.

The American Conduit Manufacturing Company, 324 Fourth avenue, Pittsburgh, Pa. Rigid steel and non-metallic flexible conduit, metal molding for electric wires. Foreign agents: Western Electric Company, Ltd., Casilla de Correo 49, Buenos Aires, Argentina; Wm. Adams & Co., Ltd., King & Clarence streets, Sydney, Australia; Paul Hartman, Christiania, Norway, care of Fr. Lie, Scandinavian-American Line. Cable address, "Wireduct," Pittsburgh. Code, Western Union.

The American Cotton Oil Company, 27 Beaver street, New York. Cotton seed products, including salad and cooking oils, and all other grades of cotton seed oils, cotton seed soap for wool scouring. Cable address, "Amcotoil," New York. Codes, A B C Fifth edition, Lieber's and Western Union.

American District Steam Company, North Tonawanda, New York. New York office, 280 Madison avenue. All fittings and devices for the complete installation of central station steam heating systems; expansion joints; anchorage fittings; gate valves; flanged cast iron pipe fittings; wood casing for insulaing underground steam pipes; adjustable angle wedges; recording and indicating steam and compressed air meters; condensation meters; pressure regulators; cast iron blast coils; high and low pressure steam traps; graduated radiator valves; damper regulators; mercury and water gauges; angle joints. Jobbers of wrought iron line pipe; cast iron pipe and temperature regulators. Cable address, "Adsco," New York. Code, Western Union.

American Dyewood Company, 80 Maiden lane, New York. Dyewoods and dyewood extracts, logwood, fustic, quercitron bark, cutch, redwoods, indigo and aniline colors. Cable address, "Dyewood." Codes, A B C Fifth edition, Lieber's and Western Union.

American Electrical Works, Phillipsdale, R. I. New York office, 165 Broadway. Copper rods; bare copper, weatherproof, galvanized wire and cables; magnet wire; paper insulated, lead encased telephone and power cables; lamp and portable cordage. Cable address, "Amelectric," Providence, R. I. Code, A B C.

American Elevator and Machine Company, 500 East Main street, Louisville, Ky. Passenger and freight elevators. Cable address, "Amermachin," Louisville, Ky.

American Emery Wheel Works, Providence, R. I. Grinding, corundum, carbolite and emery wheels; sharpening stones. Cable address, "Amery," Providence. Codes, A B C Fifth edition and Lieber's Standard.

American Enameled Brick and Tile Company, 52 Vanderbilt avenue, New York. Works at South River, N. J. Manufacturers and distributors of enameled brick in United States and Canada and for export. Enameled brick made in approximate sizes as follows: English size (standard 2⅞ x 8⅞ x 4⅜ in.), also English size hollows; American size (standard 2¼ x

8¼ x 4⅛ in.), also American size hollows; English size flatters (4⅜ x 8⅞ x2⅞ in.), not made in hollow form; American size flatters (4⅛ x 8⅛ x 2¼ in.), not made in hollow form. These brick lay up approximately as follows: English size standard, 5⅓ per sq. ft.; American size standard, 7⅓ per sq. ft.; English size flatters, 5 7/10 per sq. ft. Quoin returns or Bullnose returns made for all these sizes, also special molded O. G. for cornices, chair rails, surbases and dadoes. Made in white, light and dark red brown, chocolate, light blue, robin's egg blue, dark blue and sage green. All these goods are sanitary, germ, acid and alkali proof. Cable address, "Amerebrick," New York. Codes, Western Union, Lieber's and A B C.

American Encaustic Tiling Company, Ltd., 16 East Fortieth street, New York. Floor and wall tiles of every description, also faience of every description. Cable address, "Tilene," New York or Zanesville, Ohio. Codes, A B C, Lieber's Five Letter and Western Union.

American Engineering Company, Aramingo avenue and Cumberland street, Philadelphia, Pa. New York office, 100 Broadway. Automatic coal stokers and ship auxiliary machinery. Foreign agents: Walter Stocker, 113 Rue Reamur, Paris, France; Scholey & Co., Ltd., 56 Victoria street, Westminster, London, S. W., England; C. E. Soley & Farrar, African house, 6 Water street, Liverpool, England; W. Von Denffer, Galernaja 5, Petrograd, Russia. Cable address, "Sauter," Philadelphia. Code, Western Union.

American Fork and Hoe Company, Cleveland, Ohio. New York office, 120 Broadway. Forks: hay, manure, spading, header, barley, potato, coal, coke, fish, beet; hoes: garden, plantation, cotton, cane, field, beet and toy; garden rakes, steel and malleable iron; lawn rakes. Cable address, "Forkhoe," Cleveland. Codes, A B C and private.

The American Foundry and Machine Company, Hamilton, Ohio. Gas stoves and ranges, gray iron castings.

American Gas Furnace Company, 24 John street, New York. Factory at Spring and Lafayette streets, Elizabeth, N. J. Pressure blowers, gas blast furnaces, heating machines, blow-pipes and burners, case hardening machines, carbonizing by gas (no solid carbons used), rotary annealing machines (with sealed retort), coloring and tempering machines, automatic heat controller and regulator. Foreign agents: Chas. Churchill & Co., Ltd., London, England; V. Lowener, Copenhagen, Denmark; E. H. Hunter & Co., Kobe, Japan. Cable address, "Reichhelm," New York. Code, Lieber's.

American Glue Company, 121 Beverly street, Boston, Mass. New York branch, 14 Ferry street. Glue, gelatine, isinglass, sand, garnet and emery paper, garnet and emery cloth, fertilizers, fish glue, plaster retarder, tallow, grease, lard, oil and soap.

American Graphophone Company, Woolworth building, New York. "Columbia" graphophones, grafonolas, records and dictaphones. Sold by the Columbia Graphophone Company, which see.

American Hard Rubber Company, 11 Mercer street, New York. Everything in hard rubber (Ebonite-Vulcanite), such as combs, syringes, sheet, rod, tubing, electrical parts, etc., and articles made to order. Cable address, "Aharubco," New York. Code, Lieber's.

American Hatters and Furriers Company, Inc., 70 Beaver street, Danbury, Conn. New York office, 293 Mercer street. Hatters' furs. Jobbers of rabbit, hare, nutria, kangaroo, fox, wallaby, opossum skins, etc. Codes, Western Union and A B C Fifth edition.

American Hoist and Derrick Company, St. Paul Minn. New York office, 50 Church street. Hoisting engines, derricks, railway ditchers, locomotive cranes, cane cranes and derricks, "Crosby" wire rope clips, material elevators, crabs and winches, log loaders, blocks and sheaves, horse powers.

Foreign agents: Graham Bros., Stockholm, Sweden; K. Lund & Co., Christiania, Norway; X. B. Kalamatiano, Bolshais Lubiana 6, Moscow, Russia; Gaston, Williams & Wigmore, 1 Gofuku-Cho, Nihonbashi-Ku, Tokio, Japan, and Union building, Shanghai, China. Cable address, "Derrick" St. Paul. Code, Western Union.

American Hominy Company, Indianapolis, Ind. New York office, 17 Battery place. White corn goods. Cable address, "Homcoy," Indianapolis. Codes, A B C, Western Union, Riverside and private.

American Horse Shoe Company, Phillipsburg, N. J. Horse and mule shoes, toe and heel calks. Cable address, "Shoeco," Phillipsburg, N. J.

American Injector Company, 175 Fourteenth street, Detroit, Mich. U. S. injectors, ejectors, jet pumps, drive well jet pumps, grease and oil cups, oil pumps, water gauges, air cocks, gauge cocks, lubricating devices, steam specialties.

American Iron and Steel Manufacturing Company, Lebanon, Pa. Export office, 17 Battery place, New York. Air brake pins, bar iron, bolt ends; bolts: blank, boiler, belt, bridge and roof, carriage, collar, slotted head countersunk, milled coupling, cube head, deck (pan head, square neck), elevator, eye lag, hanger, hook lag, joint, machine, boiler patch, plow, cube head screen, boiler stay, milled and rough stud, tap forged, tee head, track, coach, lag, fetter drive, forged set and ore washery; car forgings, cross-arm braces, guy clamps, guy rods, pole steps, railroad spikes, tie rods, upset rods, turn buckles; cold punched, hot pressed and pipe sleeve nuts, boiler, bridge, ship, structural and tank rivets, boat, dock or wharf and screw railroad track spikes. Cable address "Ambolt," Lebanon. Code, Western Union.

American Lady Corset Company, Detroit, Mich. New York office, 890 Broadway. Corsets. Cable address, "Amlady," Detroit.

The American Laundry Machinery Company, Station "H," Cincinnati, Ohio. New York office, 132 West Twenty-seventh street. Laundry machinery, dry cleaning machinery, centrifugal extractors, washing machines, collar and flatwork ironers, garment presses for tailors, dry cleaners, etc., benzine clarifiers. Cable address, "Almco," Cincinnati. Codes, Western Union, Universal and Five Letter editions, A B C Fifth edition, Lieber's old and Five Letter editions, Business, New Business and private.

American Linseed Company, 233 Broadway, New York. Chicago office, Twenty-second and Lambert streets. Linseed oil, oil cake and meal. Cable address, "Linseed," New York.

American Lithographic Company, 52 East Nineteenth street, New York. Printing of all kinds; lithographic, gravure, three and four colors, type and offset. Cable address, "Amlico." New York. Code, A B C.

American Lumber Company, Merryville, La. Selling agents, Kirby-Bonner Sales Company, Houston, Texas. Long leaf yellow pine lumber, making a speciality of timbers for export; capacity about 100,000,000 feet per annum.

American Machine and Foundry Company, 5520 Second avenue, Brooklyn, N. Y. New York office, 200 Fifth avenue. Special machinery and tobacco machinery. Cable address, "Ammafoco," New York.

American Metal Cap Company, Summit street and Commercial wharf, Brooklyn, N. Y. Metal caps for packing in glass in all its branches, metal lithographers. Foreign agents: G. Courrege, Rio de Janeiro, Brazil; E. Jessurun, London, England. Cable address, "Amercap," Brooklyn. Code, Lieber's

The American Mills Company, Waterbury, Conn. New York office, 395 Broadway. Elastic and non-elastic webbings.

American Mono-Service Company, Verona avenue and Oraton street, Newark, N. J. Paper containers, "Kleen Kups" utilized for the following purposes: butter, cheese, jams, honey, sweets, ices, figs, glaced fruit, syrup, cocoa, malt, soda, custard, lard, potted meat, mince meat, salads, oils, beans, sausage, peanut butter, oysters, flower pots, etc.

The American Multigraph Sales Company, Fortieth street and Kelley avenue, Cleveland, Ohio. New York office, 20 Vesey street. Office printing and duplicating machines and folding machines. Cable address, "Multigraph," Cleveland. Codes, Western Union, Lieber's and A B C Fifth edition.

American Multiple Fabric Company, 183 Hartford avenue, Providence, R. I. Patent multiple and tubular woven fabrics for dryer felts, calico printers' blankets, drawing and preparing aprons for worsteds and multiple woven fabrics for special purposes.

American Musical Supply Company, 451 Communipaw avenue, Jersey City, N. J. Tuning pins for pianos and zithers, also steel key pins. Jobbers of "Galalith" artificial ivory for piano keys. Cable address, "Amsco," Jersey City.

American Novelty Printing and Embossing Works, Estate of John McCann, Third and Clinton streets, Hoboken, N. J. Textile printers and embossers. Warp printing a specialty.

American Oil and Supply Company, 52 Lafayette street, Newark, N. J. Export office, 92 William street, New York. Charcoal soldering blocks, gold alloys for jewelers, chemically pure shot copper, safety-crucibles, chemically pure granular copper, jewelers' flux, prepared borax, wax marking crayons. silversmiths' cement, germicide and disinfectant, belt dressing. Jobbers of a large line of aniline products and other chemicals. Cable address, "Lafayette," Newark. Codes, Western Universal edition and Lieber's Standard.

The American Pad and Textile Company, Greenfield, Ohio. Pads for team collars, gig and cart saddles and riding saddles. Cable address, "Tapatco," Greenfield, Ohio. Codes, Western Union, A B C Fourth and Fifth editions.

The American Pipe and Construction Company, 112 North Broad street, Philadelphia, Pa. Wrought-iron pipe lined with cement, for water and other works. Engineers and contractors for water and other works.

The American Preserve Company, 950 Beach street, Philadelphia, Pa. Preserves, jams, jellies, fruit butters, mince-meat, salad dressing, rock candy syrup.

The American Printing Company (M. C. D. Borden & Sons, owners and selling agents), Fall River, Mass. Export office, 90 Worth street, New York. Printed cotton calicos and finer grade printed percales, printed cretonnes, draperies, robes and khaki drill. Foreign agents: Bernardo Besosa, 82 San Ignacio street, Havana, Cuba; August Pedrazzini & Co., Cassilla 1020, Buenos Aires, Argentina. Cable address, "Bordenson," New York. Codes, A B C Fifth edition and Lieber's Five Letter.

The American Pulley Company, 4200 Wissahickon avenue, Philadelphia, Pa. New York office, 33 Greene street. Pressed steel split belt pulleys, pressed metal sash pulleys, reels, beams and spools, steel truck wheels, miscellaneous stamping and pressed metal shapes. Cable address, "Amerpulley," Philadelphia. Codes, Lieber's and Western Union.

American Radiator Company, 816 South Michigan avenue, Chicago, Ill. New York office, 104 West Forty-second street. Radiators and boilers for heating houses, apartments, schools and churches by steam or hot water. Jobbers of valves and heating accessories. Foreign agents: National Radiator Co., Ltd., 439 Oxford street, London, England; Compagnie Na-

tionale des Radiateurs, 149 boulevard Haussman, Paris, France; Societe Nazionale dei Radiatori, 7 Tommaso Grossi, Milan, Italy. Cable address, "Caloric," Chicago. All codes.

American Ring Company, Waterbury, Conn. Export office, 1 Hudson street, New York. Cabinet hardware, "Washburne" fasteners, upholstery nails, bathroom accessories, brass candlesticks, "Klever Kraft" silverware, eyelets, upholstery hardware, brass trimmings for metal beds, curtain and screw rings.

The American Rolling Mill Company, Middletown, Ohio. New York office, 30 Church street. Rust-resisting "Armco" iron sheets and plates, culverts, flumes, silos, fence posts, "Armco" iron enameling and deep drawing stock, "Armco" polished iron for stoves and locomotive jackets. Jobbers of "Armco" iron wire and tubes. Foreign agents: The American Rolling Mill Co., 68 Rua Ouvidor, Rio de Janeiro, Brazil; S. H. Morden & Co., Ltd., 18 Dartmouth street, Westminster, London, S. W., England. Cable address, "Armco," Middletown, Ohio. Codes, General, Lieber's, A B C Fifth edition and Western Union.

American Screw Company, 21 Stevens street, Providence, R. I. Wood and machine screws, stove and tire bolts. Cable address, "Asko," Providence. Codes, Lieber's, Standard, A B C Fifth edition, Western Union and private.

American Seating Company, 14 East Jackson boulevard, Chicago, Ill. Export office, 119 West Fortieth street, New York. School desks, theatre seating and church furniture. Foreign agents: T. Elliott Rourke & Co., Santiago, Chile; E. J. Forbes & Son, Ltd., Sydney, Australia; Carlisle, Crocker & Co., Montevideo, Uruguay; Zaldo & Martinez, Havana, Cuba; Jacinto Esteva Marata, Barcelona, Spain; Dr. Gustavo Penna, Bello Horizonte, Minas Geraes, Brazil; Angel Estrada & Co., Buenos Aires, Argentina; Erlanger & Galinger, Manila, Philippine Islands; Forbes, Forbes, Campbell Co., Ltd., 92 Canon street, London, England; Gandia & Stubbe, San Juan, Porto Rico; W. R. Jessup, Guatemala City, Guatemala; Jose M. Rosales, Bogota, Colombia. Cable address, "Amfurnco," New York. Code, Western Union.

The American Seeding-Machine Company, Inc., Richmond, Ind. Plain and fertilizer hoe, shoe and disk grain drills; plain and fertilizer corn drills and planters and cotton drills; press, alfalfa, beet and oats drills; hoe broadcast, end-wheel broadcast and end-gate seeders and broadcast fertilizer sowers. Trade names, "Hoosier." "Empire," "Kentucky." Cable address, "Hoosier," Richmond, Ind. Codes, Lieber's, Western Union, A B C Fourth and Fifth editions.

American Sewer Pipe Co., Akron Ohio. Clay products.

The American Ship Building Company, foot of West Fifty-fourth street, Cleveland, Ohio. Iron and steel ships.

American Skein and Foundry Company, Racine, Wis. Wagon skeins, jack screws, anvils, piano plates and grey iron castings. Code, Western Union.

American Splint Corporation, 141 Broadway, New York. Match splints or sticks, match-making machines, match manufacturers' supplies. Jobbers of match chemicals. Cable address, "Splints," New York. Codes, A B C Fifth edition, Lieber's and Western Union.

The American Stamping and Enameling Company, corner Thirty-third and Hamilton streets, Bellaire, Ohio. A regular line of enameled ware for kitchen and household use.

American Steam Gauge and Valve Manufacturing Company, 208 Camden street, Boston, Mass. Export office, 118 Liberty street, New York. Engine-room clocks, gauge clocks; revolution counters; feed water, grease extracting filters; steam, air pressure recording and water gauges; engine indi-

cators, steam traps; air relief, water, safety, steam, gas, etc., valves; steam whistles, feed water regulators. Foreign agents: Andrews & George, P. O. Box 48, Kiobashi-ku, Tokio, Japan. Cable address, "Amgauge," New York. Codes, Western Union, A B C Fifth edition and private.

American Steel Foundries, 332 South Michigan avenue, Chicago, Ill. New York office, 30 Church street. Side frames, bolsters and couplers for railway cars; brake beams and springs, "Davis" cast steel wheels and miscellaneous steel castings of all kinds. Foreign agents: C. L. Faulkner, Suffolk House, Laurence Pountney Hill, Cannon street, London, E. C., England; Ad. Seghers, 7 Rue Scribe, Paris, France; J. F. Melling, 11 Victoria street, Westminster, London, W. C., England. Cable address, "Casteel," Chicago.

The American Steel Package Company, Defiance, Ohio. New York office, 20 Vesey street. Steel barrels and drums for gasoline, oil and chemicals; steel cases with partitions for bottled goods, such as beer, carbonated beverages, etc. Cable address, "Ampax," Defiance, Ohio. Code, Western Union.

The American Steel Scraper Company, Court street and Wilkinson avenue, Sidney, Ohio. Ditching scrapers, drag scrapers, tongue scrapers, road scrapers, wheeled scrapers, road drags, grading plows, steel tray wheelbarrows, tubular wheelbarrows; dirt, foundry, contractors' and foundry barrows. Cable address, "Excavate," Sidney. Code, Lieber's.

American Stove Company, St. Louis, Mo. Export department, 209 West Forty-third street, New York. Divisions: George M. Clark & Co. Div., Chicago; Dangler Stove Co. Div., Cleveland; National Stove Co. Div., Lorain, Ohio; Ringen Stove Co. Div., St. Louis; Reliable Stove Co. Div., Cleveland; New Process Stove Co. Div., Cleveland. Stoves and ranges: gas ranges, electric ranges, gasoline stoves, oil cooking stoves, alcohol cooking stoves, oil heaters, gas heaters, steel coal and wood ranges; gasoline soldering furnaces; ovens for gas, gasoline, alcohol and oil stoves; asbestos-lined portable ovens. Cable address, "Ameristove," New York. Codes, Western Union and Lieber's.

American Synthetic Color Company, Stamford, Conn. Organic chemicals, phenol. Code, Lieber's.

American Tag Company, 6133 State street, Chicago, Ill. Shipping, merchandise and marking tags; paper baggage checks, gummed labels.

American Thermos Bottle Company, 37 West Thirty-first street, New York. "Thermos" bottles for outdoor use, "Thermos" carafes and jugs for home use, "Thermos" solid food jars for home and outdoor use; motor restaurants, picnic kits, lunch kits and workman's kits, all sold under the trade name "Thermos"; nested drinking cups. Cable address, "Thermos," New York. Code, Lieber's.

American Tool and Machine Company, 10 High street, Boston, Mass. New York office, 174 Fulton street. "Western" centrifugals, hydro-extractors, brass finishers' lathes, belt knife splitting machines, centrifugal oil separators and power transmission machinery.

The American Tool Works Company, Cincinnati, Ohio. Lathes, planers, shapers and radial drills. Cable address, "Lathe," Cincinnati. Codes, Lieber's, A B C Fourth edition, Western Union, Postal, Business and private.

The American Tube and Stamping Company, 471 Hancock avenue, Bridgeport, Conn. New York office, 258 Broadway. Boston office, 12 Pearl street. Open hearth ingots, blooms and billets; hot and cold rolled strip steel in various widths, thicknesses, etc., for the trade; steel stampings. Cable address, "Wilmothobs," Bridgeport. Codes, Lieber's and A B C Fifth edition.

American Type Founders Company, 300 Communipaw avenue, Jersey City, N. J. Type for printers and newspaper publishers, brass rule, printing presses. Jobbers of miscellaneous supplies for printers. Cable address, "Amtypfound," Jersey City. Code, Western Union.

American Undergarment Company, 36 Green street, Newark, N. J. New York office, 71 West Thirty-fifth street. Ladies' underwear and aprons.

The American Velvet Company, 450 Fourth avenue, New York. Velvets and plushes.

American Vulcanized Fibre Company, 500 Equitable building, Wilmington, Del. "American" vulcanized fibre in sheets, rods and tubes, also special shapes, such as insulators, waste baskets, roving cans for spinning mills, warehouse trucks, trunks and suit cases. Cable address, "Fibre," Wilmington. Codes, Lieber's, Western Union, General Telegraph and A 1.

American Wood Board Company, Schuylerville, N. Y. Tag boards and special cylinder papers for card board and glazed paper manufacturers. Cable address, "Amwoodco," Schuylerville, N. Y. Code, Anglo-American.

American Wood Working Machinery Company, 591 Lyell avenue, Rochester, N. Y. New York office, 30 East Forty-second street. Wood working machinery. Foreign agents: The Projectile Co., Ltd., New road, Wandsworth road, London, S. W., England; Krajewski-Pesant Corp., 51 Cuba street, Havana, Cuba; R. L. Scrutton & Co., Ltd., 161 Clarence street, Sydney, Australia; Andrews & George, 16 Takegawa-cho, Kiobashi-ku, Tokio, Japan. Cable address, "Woodmacho," Rochester. Codes, A B C, Lieber's and Western Union.

American Writing Machine Company, 345 Broadway, New York. Typewriter ribbons, carbon papers, papers and supplies; rebuilders of typewriters. Foreign branch, American Writing Machine Co., Ltd., 118 Queen Victoria street, London, E. C., England. Cable address, "Caligraph," New York. Codes, Lieber's, A B C and A 1.

Ames-Harris-Neville Company, 100-126 Potrero avenue, San Francisco, Cal. New York office, 43 Leonard street. Jute and cotton bags and tents. Cable address, "Ames," San Francisco. Codes, Lieber's and Western Union.

Ames Shovel and Tool Company, 90 Ames building, Boston, Mass. Shovels, spades, scoops and drainage tools. Cable address, "Amesco," Boston. Code, A B C.

The Max Ams Machine Company, Scofield avenue, Bridgeport, Conn. Export office, 101 Park avenue, New York. Machinery for making sanitary cans, foot presses, power presses, dies, metal working machinery. Foreign agents: W. E. Hughes & Co., 50 Lime street, London, England; Justo P. Zavalle, Buenos Aires, Argentina. Cable address, "Sancan," Bridgeportconnecticut. Codes, A B C Fifth edition and Lieber's.

Anchor Duck Mills, Rome, Ga. New York agents, J. H. Lane & Co., 334 Fourth avenue, New York. Wide duck, narrow duck, sail duck, filter cloths, grain bags and cotton rope.

Anchor Post Iron Works, 165 Broadway New York. "Anchor" fence posts, arbors, iron and wire arches, chain link woven steel fencing, galvanized and iron fence posts, iron and wire fencing for all purposes; folding, ornamental iron, sliding and iron and wire gates; tree and lawn guards; iron fences, railings, lamps, grilles, etc.; galvanized clothes, sign and tennis net posts; wire fencing and wire work for buildings. Jobbers of poultry netting, farm fencing, fence wires and barbed wire. Cable address, "Anchorpost," New York. Code, Western Union.

The Ancona Company, 10 Fenner street, Fall River, Mass. Cotton goods.

Albert & J. M. Anderson Manufacturing Company, 289 A street, Boston, Mass. New York office, 135 Broadway. "Anderson" automatic time switches, "Ætna" insulation line material, electric railway specialties, jack-knife switches, switchboards, "Ajax" lightning arresters, charging plugs and receptacles, "Sprague" rotary sanders. Cable address, "Trolley," Boston. Codes, A B C Fifth edition and Lieber's.

The Andrews Steel Company, Ninth and Lowell streets, Newport, Ky. Basic open hearth steel forging billets and slabs, also alloy steels such as chrome, nickel, chrome nickel, chrome vanadium and other special steels in sizes from 4" x 4" and larger; sheet bars in thickness from ¼" to 1¼" and various lengths; one pass cold rolled steel sheets, galvanized sheets from 10 to 30 gauge; painted and corrugated steel; also "Genuine Open Hearth Iron" rust-resisting corrugated roofing, siding, conductor pipe, eaves trough, metal shingles and a complete line of sheet metal products, also galvanized steel; "Genuine Open Hearth Iron" rust-resisting culverts, tanks, silos, etc.

The A. H. Andrews Company, 115 South Wabash avenue, Chicago, Ill. New York office, 1473 Broadway. Bank furniture, office furniture, school desks, opera chairs, steel wire furniture, drying apparatus. Cable address, "Andrews," Chicago. Code, Western Union.

Anheuser-Busch Brewing Association, St. Louis, Mo. New York office, Eleventh avenue and Thirty-sixth street. "Budweiser," "Faust" and "Standard" beers; "Malt-Nutrine," a medicinal tonic; "Bevo," a non-alcoholic cereal beverage. Cable address, "Anheuser," St. Louis. Codes, A B C Fifth edition, Western Union, A 1 and Lieber's.

Ansco Company, Binghamton, N. Y. New York office, 129 West Twenty-second street. Photographic paper, films, cameras, professional apparatus and chemicals. Jobbers in photographic dry plates. Foreign agent, Ansco Limited, 143 Great Portland street, London, W., England. Cable address, "Ansco," Binghamton. Codes, A B C, Lieber's Standard and Western Union (Universal).

The Ansonia Electrical Company, 53 Main street, Ansonia, Conn. New York office, 220 Broadway. Weatherproof, slow burning, office, damp proof office, annunciator, cotton and silk covered magnet wires; annunciators, bells, push buttons and sundries. Foreign agents: L. A. Buchaca, Obispo 88, Havana, Cuba; Ernest Demoly, 43 Rue de Trevise, Paris, France; Aage Havemann's Eftf, Admiralgade 16, Copenhagen, Denmark; A y M Biosca Jover, Rambla Santa Monica 18, Barcelona, Spain. Cable addresses, "Manexac" or "Anelco," New York or Ansonia. Code, A B C Fifth edition.

The Ansonia O & C Company, Ansonia, Conn. New York office, 350 Broadway. Elastic webbing for hose supporters, garters, suspenders, belting, goring; corset laces; shoe laces; arm bands; elastic cords, braids and Vienna rolls. Foreign agents: R. C. Tort, Rivadavia 2042 Buenos Aires, Argentina; Jose Huberti Nadal, Claris 243, Barcelona, Spain; S. Schoolmeester, Amsterdam, Holland; M. M. Pinedo, Havana, Cuba; Pinedo & Weber, Barranquilla, Colombia; J. Chr. Christensen, Copenhagen, Denmark; Sampio Correa & Co., Rio de Janeiro, Brazil; Levensen & Weil, Honolulu, H. I. Cable address, "Webbing," Ansonia. Code, Western Union Fifth edition.

Appleton Wire Works, corner Union and Atlantic streets, Appleton, Wis. Fourdrinier wires and brass wire cloth for paper and pulp mills. Cable address, "Appwire," Appleton. Code, A B C Fifth Improved edition.

F. H. Appleton & Son, Inc., 185 Summer street, Boston, Mass. New York office, 7 East Forty-second street. Reclaimed rubber. Cable address, "Aprub," Boston.

---

to manufacturers whose names are given in this book.

Arabol Manufacturing Company, 100 William street, New York. Mucilage and paste, textile and paper sizing, kalsomine, glue, dyeing materials, leather dressing, turkey red oil, tanners' supplies, starch, rosin soap, laundry soap, soap powders, British gum (dextrine). Foreign agent: W. H. Beers & Sons, Imperial House, Kingsway, London, E. C., England. Cable address, "Arabol," New York.

Arbuckle Brothers, 71 Water street, New York. Sugar and coffee.

Arkell & Smiths, Canajoharie, N. Y. Paper shipping sacks for flour and cement.

Arkwright Mills, 577 Quequechan street, Fall River, Mass. Cotton cloth.

The Arlington Company, 725 Broadway, New York. "Pyralin," celluloid in sheets, rods, tubes, brushes, combs, mirrors, toilet sets, collars and cuffs, pipe bits and harness rings. Cable address, "Pyralin," New York.

Armspear Manufacturing Company, 447 West Fifty-third street, New York. Hand lanterns, engine lamps, tail or marker lamps, switch lamps, block signal lamps for railroads; bridge and pier lamps for navigation; automobile truck lamps. Jobbers in lenses and globes. Cable address, "Armspearco," New York. Code, Western Union.

Armstrong Cork and Insulation Company, Twenty-fourth street and Allegheny river, Pittsburgh, Pa. New York office, 50 Church street. "Nonpareil" cork board for cold storage insulation, "Nonpareil" cork covering for brine and ammonia piping, "Nonpareil" high pressure covering for steam piping, "Nonpareil" insulating brick for insulation of high temperature furnaces, "Armstrong A" cork brick for cow stall and horse stall platforms and factory floors, "Linotile" for floors where a high grade resilient flooring is required. Cable address, "Armstrong," Pittsburgh. Code, A B C Fifth edition.

The Armstrong Manufacturing Company, Knowlton street, Bridgeport, Conn. New York office, 248 Canal street. Genuine "Armstrong" stocks and dies; water, gas and steam fitters' tools and pipe threading machines.

The Arrow Electric Company, 138 Hawthorne street, Hartford, Conn. Export office, 253 Broadway, New York. Sockets, switches, flush receptacles, fuse blocks, fuse plugs, rosettes. Foreign agents: S. G. Leach & Co., 26 Artillery lane, London, England; Antonio Larghi, Milan, Italy. Cable address, "Arelectric," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

The Art Button Company, 10 Champeney Terrace, Rochester, N. Y. New York office, 17 Astor place. General line of high-class buttons, but novelties rather than staples. Foreign agents: John & R. Zeising, Rio de Janerio, Brazil; Donnell & Palmer, Buenos Aires, Argentina; Agencia Coates, Montevideo, Uruguay; G. F. Fuller, 3 Fitchetts Court, London, E. C., England. De la Rosa, Bogota, Colombia. Cable address, "Artbutco," Rochester or New York. Code, Western Union, A B C Fifth edition and Lieber's.

Art Metal Construction Company, Jones and Gifford avenues, Jamestown, N. Y. New York office 477 Woolworth building. All kinds of steel office furniture, bank and library equipment, etc. Foreign agent: Art Metal Construction Company, Ltd., Thames road, Silvertown, London, E., England. Cable address "Artie," Jamestown, N. Y. Codes, A B C and Western Union.

Asbestos and Rubber Works of New Jersey, Camden, N. J. Asbestos packings, gaskets and brake lining.

Ash Grove Lime and Portland Cement Company, 705 Grand Avenue Temple, Kansas City, Mo. Lime and Portland cement.

Ashland Iron and Mining Company, Ashland, Ky. Blast furnaces.

The Ashtabula Hide and Leather Company, 4 Main street, Ashtabula, Ohio. Carriage furniture and automobile leathers. Foreign agent: Julius Beissbarth, Audrey House, Ely place, Holborn, E. C., London, England. Cable address, "McKay," Ashtabula. Code, Western Union.

The Aspinook Company, Jewett City, Conn. Bleachers, printers, dyers, mercerizers and finishers of cotton piece goods for converters.

Astoria Silk Works, 727 Steinway avenue, Long Island City, New York. Dress silks, crepes, shirtings, lining satins, seal plushes. Cable address, "Astorsilk," Long Island City. Codes, Lieber's and A B C Fifth edition.

Astoria Veneer Mills and Dock Company, Long Island City, N. Y. Mahogany and cedar lumber and veneer, also other cabinet woods. Jobbers of mahogany, cedar, etc., logs. Cable address, "Rayast," Long Island City. Codes, Western Union and A B C.

The Atchison Saddlery Company, 412 Kansas avenue, Atchison, Kans. Harness, riding saddles, horse collars, gig saddles, coach pads, blanket trimmings, trunk handles, brush handles; feed bag fronts, bottoms and straps. Jobbers of saddlery hardware sweat pads and harness leather.

The Athens Brick Company, Athens, Ohio. Street paving and building brick.

E. C. Atkins & Company, Inc., Indianapolis, Ind. New York office, 43 Warren street. Saws of all kinds: band saws for wood and metal, circular saws for wood and metal, hand saws, cross-cut saws, hack saws, etc., saw tools. Cable address, "Atkinsaw," Indianapolis. Codes, A B C Fifth edition, Lieber's, Western Union, New Business and private.

Atlantic Basin Iron Works, 11 Imlay street, Brooklyn, N. Y. Forgings.

The Atlantic Foundry Company, 182 Beaver street, Akron, Ohio. Cast iron and semi-steel castings.

Atlantic Insulated Wire and Cable Company, Canal and Ludlow streets, Stamford, Conn. Export office, 52 Vanderbilt avenue, New York. Rubber insulated wires and cables for submarine, underground, aerial and interior service, telephone, telegraph and power conductors. Cable address, "Atinwico," New York. Codes, Western Union and A B C.

Atlantic Mills of Rhode Island, Providence, R. I. New York agents, A. D. Juilliard & Co., 70 Worth street. Ladies' woolen dress goods and yarns. Cable address, "Kingcol," Providence. Code, private.

The Atlantic Refining Company, 3144 Passyunk avenue, Philadelphia, Pa. Petroleum products: lubricating oils, naphthas, gasoline, kerosene, illuminating oils, fuel and gas oils, road oils, asphalts, paraffine wax, coke, cylinder oils, spindle oils, paraffine oils, greases, petrolatums, white medicinal oils, etc. Foreign agents: For Continental Europe, W. W. Kerr, 80 Bishopsgate, London, E. C., England; for Southwestern France, Spain and Portugal, Compagnie Sud-Européene d' Importation, 78, Rue de la Rousselle, Bordeaux, France; Sampaio Corrêa & Ca., 90 Rue General Camara, Rio de Janeiro, Brazil. Cable address, "Atrefcomp," Philadelphia. Codes, A B C Fifth edition, A B C Fifth Five Letter edition, Lieber's, Lieber's Five Letter and Western Union.

Atlantic Steel Company, Atlanta, Ga. Billets, rods, bars, tire, hoop, cotton ties, nails, wire, barbed wire, fence, spikes, tie plates. Cable address, "Ascolanta," Atlanta, Ga. Codes, Western Union, Lieber's, A B C Fifth edition and A B C Fifth edition Improved.

Atlantic Terra Cotta Company, 1170 Broadway, New York. Architectural terra cotta and garden pottery. Cable address, "Cottaterra," New York. Codes, Western Union and Commercial Cable.

The Atlantic Wire Company, 1 Church street, Branford, Conn. Iron and steel wire as follows: bright, annealed and cleaned, liquor finished, coppered and tinned, in coils and straightened and cut to length, all low carbon stock of standard and special tempers, small sizes and free turning machine screw stock. Cable address, "Atlaneed," Branford. Codes, Western Union and A B C.

The Atlantic Works, 80 Border street, East Boston, Mass. Marine engines and boilers, heavy machinery, plate steel work. Steel hull repairing. Cable address, "Citnalta," Boston. Code, Western Union.

The Atlas Bolt and Screw Company, 1289 Marquette road, N. E., Cleveland, Ohio. Stove, carriage, machine, sink, plow, hub and hanger bolts; machine, cap, set and hanger screws; square and hexagon iron and brass nuts; threaded wire; wing nuts and rivets. Automatic screw machine product milled from the bar. Cable address, "Atbolt," Cleveland.

Atlas Finishing Company, Homestead, N. J. Silk dyers and finishers.

The Atlas Portland Cement Company, 30 Broad street, New York. "Atlas" Portland cement, "Atlas White" Portland cement; "Atlas White" mixture No. 1, mixture No. 2 and mixture No. 3. Cable address, "Atcement," New York. Codes, Western Union, A B C Fifth Improved edition, Lieber's Five Letter and Bensinger Condenser.

Atlas Underwear Company, Piqua, Ohio. New York office, 346 Broadway. Men's union suits in ribbed knit fabrics in all weights, cotton, merino and worsteds. Foreign agent: V. Norman Smallpiece, 24 Wellington street, Toronto, Ontario, Canada.

Attawaugan Company, 82 Shetucket street, Norwich, Conn. Plain and fancy cotton cloth.

Atwood & McManus Box Company, Chelsea, Mass. Wooden boxes and cases.

The Audiger & Meyer Silk Company, Bond and State streets, Paterson, N. J. New York, 440 Fourth avenue. Silk goods for tie silks of the better grades. Cable address, "Audimeyer," Paterson.

D. Auerbach & Sons, Eleventh avenue, Forty-sixth to Forty-seventh streets, New York. Candies of all kinds in wood or tin packing, candies in glass vacuum sealed jars, contents guaranteed for one year; chocolates and cocoa in packages suitable for all countries, cocoa powder in quarter pound tins and in bulk. Foreign agents: P. Coll Alcala, Caracas, Venezuela; Edward G. Gonzalez, San Juan, Porto Rico; F. Lample, Sanchez, Domincan Republic; P. du Prey de la Ruffiniere, Martinque, F. W. I. Cable address, "Arbacandy," New York. Codes, Lieber's and A B C Fifth edition.

The Ault & Wiborg Company, Cincinnati, Ohio. New York office, 57 Greene street. Printing and lithographic ink, dry colors, varnish, carbon paper, typewriter ribbons, aniline dyes, heavy chemicals, acids. Jobbers in lithographic stones, molletons, bronze powders and lithographic supplies. Foreign branches: 19 Charlotte street, Toronto, Ontario, Canada; 4 St. Johns square, London, E. C. England; 535 Calle Bolivar, Buenos Aires, Argentina; 172 Rua General Camara, Rio de Janiero, Brazil; Calle Uruguay 783, Montevideo, Uruguay. Foreign agent: Jorge Fortun, Calle Galiano 69, Havana, Cuba. Cable address, "Aultwiborg," all points. Code, A B C Fifth edition.

The Aultman & Taylor Machinery Company, Mansfield, Ohio. Export office, 136 Water street, New York. Gasoline and kerosene tractors, grain threshers, rice threshers, portable and traction steam engines, clover and alfalfa hullers, bean hullers and portable saw mills. Cable address, "Aultaylor," New York.

The Austin Company, 14230 Euclid avenue, Cleveland, Ohio. Export office, Bridgeport, Conn. Factory buildings. Jobbers of steel sash. Cable address, "Austin," Cleveland. Code, Western Union.

Austin Manufacturing Company, 910 South Michigan avenue, Chicago, Ill. New York office, 50 Church street. Road making machinery, rock crushers, railroad contractors' equipment, motor road rollers, road oilers, street sprinklers, motor lawn mowers. Cable address, "Austin," Chicago. Codes, Western Union, A B C Fifth edition and Lieber's.

Austin Organ Company, 158 Woodland street, Hartford, Conn. New York office, Astor Hotel. Pipe organs for churches, halls, lodge rooms and private residences.

Austin Powder Company, Cleveland Ohio. Blasting and sporting powder.

The Auto Body Company, 207 East Franklin avenue, Lansing, Mich. Automobile bodies.

The Autocar Company, Ardmore, Pa. Export office, 553 West Twenty-third street, New York. The "Autocar" one and a half and two-ton motor truck. Cable address, "Autocar," Ardmore. Code, A B C.

Automatic Button Company, 301 Mulberry avenue, Muscatine, Iowa. New York office, 874 Broadway. Pearl buttons. Foreign agents: Wm. F. Towell, 91 Fore street, London, England; Antonio Mas Jornet, Barcelona, Spain; Pedrazzini & Cia, Buenos Aires, Argentina. Cable address, "Autobco," Muscatine. Codes, A B C Fifth and Fifth Improved editions and Western Union.

Automatic Electric Company, 1001 West Van Buren street, Chicago, Ill. New York office, 46 West Broadway. Automatic telephone equipment and automatic telephones. Cable address, "Autelco," Chicago. All standard codes.

The Automatic Refrigerating Company, Capitol avenue and Willow street, Hartford, Conn. New York office, 50 East Forty-second street. Refrigerating and ice making machinery with automatic control. Cable address, "Autorefrig," Hartford. Codes, Western Union, International, Ice and Refrigeration.

Automatic Sprinkler Company of America, 123 William street, New York. Valves, sprinkler heads and devices for automatic sprinkler fire protection.

Automatic Transportation Company, 2933 Main street, Buffalo, N. Y. New York office, Room 725, 258 Broadway. Storage battery industrial trucks, tractors and engines. Cable address, "Automatic," Buffalo. Code, Western Union.

Automatic Weighing Machine Company, 136 Commerce street, Newark, N. J. Automatic weighing and carton sealing machines. Cable address, "Awmco," Newark.

The Autopiano Company, 653 West Fifty-first street, New York. Player pianos. Foreign agents: C. Bodenstein & Co., Cairo, Egypt; E. Custin, Havana, Cuba; Gustin Wright, Paris, France; Gubesch & Co., Moscow, Russia; C. Munguia, Mexico City, Mexico; Robinson Piano Co., Shanghai, China; Jose Oliver, Manila, P. I.; Julio Mousques, Montevideo, Uruguay; Gath & Chaves, Buenos Aires, Argentina; Doggenweiler Bros. & Co., Santiago, Chili. Cable address, "Triumph," New York. Codes, A B C Fifth edition and Lieber's.

The Autoyre Company, Oakville, Conn. Fruit jar trimmings, cork screws, bottle openers, buckles, uniform hooks, snap fasteners, paper clips, packer bails, wire novelties, sheet metal novelties, shade holder springs, safety razors, wire basket handles.

Avalon Knitwear Company, 700 Broad street, Utica, N. Y. New York office, 346 Broadway. Men's, women's and children's ribbed union suits; men's and women's mesh union suits; women's vests and pants; men's shirts and drawers; in cotton, woolen, worsted and merino. Foreign agents: Fred W. Millington, Ltd., Manchester, England, agents for United Kingdom; William E. Peck & Co., 104 Pearl street, New York, agents for South America and Australia.

Axelson Machine Company, 1406 San Fernando street, Los Angeles, Cal. Oil well pumps, oil well sucker rods, iron working lathes, emery grinders. Cable address, "Axelson," Los Angeles. Code, Western Union.

Ayer, Houston & Company, 2 Beach street, Portland, Me. New York office, 21 Washington place. Soft fur felt hats.

B. T. Babbitt, Inc., 11 Broadway, New York. Factory at Babbitt, N. J. "B. T. Babbitt's Best" soap, "1776" soap powder, "Babbitt's" cleanser, "Babbitt's" pure concentrated lye and "Spic & Span" metal polish. Cable address, "Babbitt," New York. Code, A B C Fifth edition.

Babcock Lumber Company, 908 Frick building, Pittsburgh, Pa. New York office, 43 Wall street. Lumber. Cable address, "Babcock," Pittsburgh.

The Babcock Printing Press Manufacturing Company, 50 Pequot avenue, New London, Conn. New York office, 38 Park row. Cylinder, power printing presses, flat beds. Foreign agents: John Haddon & Co., London, E. C., England; Hansen & Skotvedt, Christiania, Norway; Gordon & Gotch, Melbourne, Australia; Lettergieterij "Amsterdam," Amsterdam, Holland. Cable addresses, "Talbotype," New York or New London. Code, A B C Fifth edition.

R. A. Bachia & Company, 43 West Sixteenth street, New York. Havana cigars.

Bachner, Moses, Louis Company, Gloversville, N. Y. Men's, women's and children's leather gloves. Cable address, "Bacmo," Gloversville. Code, Lieber's Standard.

E. B. Badger & Sons Company, 75 Pitts street, Boston, Mass. New York office, 101 Park avenue. Boilers, steam jacket kettles, expansion joints; stills: water, alcohol, acetone, ether, acetic acid, etc.; evaporators: multiple effect, "Badger" and "Webre" types; digestors: autoclaves, lead and silver lined apparatus, extraction apparatus, chemical plants, etc. Cable address, "Badgerco," Boston. Codes, A B C.

The Bagley & Sewall Company, Watertown, N. Y. Pulp and paper mill machinery, pumps, grinders, wet machines, etc., and machinists' vises. Foreign agents: Edouard Hery, 16 Rue du Rocher, Paris, France; Boris Kahanoff, 15 B. Monetnais, Petrograd, Russia.

E. Bailey & Sons, Inc., Patchogue, New York. Lumber, doors, sash, blinds, stair work, cabinet work, mantels, trim, mouldings, dressers, house turnings, etc., general mill work.

The Baird Machine Company, Stratford avenue, Bridgeport, Conn. Special, automatic, spring, chain, pin and hook and eye machinery; hinge, wire forming, flat metal, paper clip and staple machines; automatic, foot and power presses; tumbling, steam drying, japanning and ball burnishing barrels. Foreign agents: George H. Alexander, Coleshill street, Birmingham, England; Fenwick Frères & Co., 8 Rue de Rucroy, Paris, France. Cable address, "Bairdmachn," Bridgeport. Codes, Western Union, A B C Fifth edition Improved.

Baker Brothers, Toledo, Ohio. High duty drills, cylinder boring machines, tapping machines, automatic drills. Cable address, "Baker," Toledo. Codes, Lieber's, A B C and Western Union.

The Baker Castor Oil Company, 120 Broadway, New York. Castor oil, castor pomace. Cable address, "Fenmarsh," New York. Code, A B C Fifth edition.

Baker Iron Works, Los Angeles, Cal. Engineers, founders and machinists: oil well tools and supplies; mining machinery; riveted sheet steel pipe; oil refinery equipment; freight and passenger elevators; gas machinery, structural plate and sheet steel work. Cable address, "Alta," Los Angeles. Code, Western Union.

The Baker McMillen Company, 134 East Miller avenue, Akron, Ohio. Wood turners and enamelers.

Baker Printing Company, 251 Market street, Newark, N. J. Book and job printing blank books.

The Baker R & L Company, West Eightieth street, Cleveland, Ohio. New York offices: for electric cars, The Baker R & L New York Corp., 19 Central Park West; for Owen cars, The Baker R & L Company, Inc., Broadway and Fifty-seventh street. "Owen" magnetic gas cars and "Rauch & Lang" electric cars.

Baker-Vawter Company, Benton Harbor, Mich. New York office, 350 Broadway. Loose-leaf ledgers, accounting records, business forms, binding devices, steel filing cabinets, card indexes, filing supplies, folders, guide cards. Cable address, "Bavaco," Bentonharbor. Codes, A B C Fourth and Fifth editions, Western Union and Lieber's.

Baker & Company, Inc., 54 Austin street, Newark, N. J. New York office, 50 Church street. Platinum chemical apparatus: crucibles, dishes, etc.; wire and sheet platinum; platinum contacts; platinum and gold settings for manufacturing jewelers; purchasers and refiners of sweep material and ores containing platinum, gold or silver. Cable addresses, "Baker," Newark; "Platinum," New York. Codes, A B C and Western Union.

George W. Baker Shoe Company, 325 Classon avenue, Brooklyn, N. Y. Women's high grade shoes and slippers.

J. T. Baker Company, Phillipsburg, N. J. Chemical reagents for analytical work. Cable address, "Bakemco," Phillipsburg. Code, A B C Fifth edition.

S. F. Baker & Company, Keokuk, Iowa. Medicines.

William Bal Company, 8 Johnson street, Newark, N. J. New York offices, 4 West Twenty-second street and 145 West Forty-fifth street. Fibre trunks and cases, leather cases. Cable address, "Balbilt," Newark. Code, Western Union.

Baldwin Chain and Manufacturing Company, 199 Chandler street, Worcester, Mass. Block and roller chains, sprockets for automobiles and machinery drives. Cable address, "Baldwin," Worcester. Code, Western Union.

The Baldwin Piano Company, 142 West Fourth street, Cincinnati, Ohio. New York office, 665 Fifth avenue. Pianos, player-pianos, electric pianos. Cable address, "Baldwinco," Cincinnati. Codes, A B C Fifth edition, Lieber's Western Union and private.

Ball Brothers Glass Manufacturing Company, Ninth street, Muncie, Ind. Fruit jars, packers' jars, etc. Cable address, "Ballbro," Muncie.

The Ball and Roller Bearing Company, Danbury, Conn. Ball bearings, roller bearings, steel balls and cylindrical rollers. Cable address, "Ballroll," Danbury.

P. Ballantine & Sons, 58 Freeman street, Newark, N. J. New York office, Forty-second street and Madison avenue. Beers, ales, stout, porter, "Ideal" tonic (formerly called malt extract), drimalt and cereal syrups for bakers' use and also ginger ale. Foreign agents: Pont Restoy & Co., Havana,

Cuba; Jones & Swan, Bridgetown, Barbados, B. W. I.; A. H. Cipriani, Trinidad, B. W. I.; Pineda Lopez & Co., Barranquilla, Colombia; F. J. Bankart & Co., Demarara, British Guiana. Cable address, "Ballantine," New York. Codes, Western Union and A B C Fifth Improved edition.

Ballard Vale Mills Company, Ballard Vale, Mass. New York office, C. W. Jones & Co., 59 Leonard street. White flannels.

Ballard & Ballard Company, 912 East Broadway, Louisville, Ky. Wheat flour and mill feeds. Cable address, "Ballard," Louisville. Codes, Lieber's, A B C Fifth edition and Riverside.

B. A. Ballou & Company, Inc., 61 Peck street, Providence, R. I. A general line of jewelry and jewelers' findings. Foreign agents: Lewis & Hill, Inc., Maipu 273, Buenos Aires, Argentina. Cable addresses, "Ballou," Providence; "Babalou," New York.

Baltimore Roofing and Asbestos Manufacturing Company, Asbestos, Md. Export office, Fifth avenue building, New York. Abestos and roofing products of every description. Cable address, "Bramco," Asbestos. Code, Western Union.

Baltimore Stamping and Enameling Company, Baltimore, Md. Tinware, enameled ware and galvanized ware.

Baltimore Tube Company, Inc., Ostend and Wicomico streets, Baltimore, Md. New York office, 30 Church street. Brass and copper seamless tubing.

Joseph Bancroft & Sons Company, Wilmington, Del. New York office, 320 Broadway. Window shade cloth (Hollands), bookbinders' cloth, tag cloths, etc. Foreign agents: Nickerson Brothers, 99 Worship street, London, E. C., England; Lion & Mosely, Ortona building, Sydney, Australia; Manzi & Co., Milan, Italy; David Dahlberg, Stockholm, Sweden. Cable address, "Rockford," Wilmington. Codes, A B C Fourth and Fifth editions and Western Union.

Barber-Colman Company, River and Loomis streets, Rockford, Ill. Warp-tying and gear hobbing machines, hand knotters, milling cutters and hobs. Foreign agents: Barber & Colman, Ltd., 10 Charlotte street, Manchester, England. Cable address, "Barcol," Rockford, Ill. Code, Western Union.

Barbour-Stockwell Company, 205 Broadway, Cambridge, Mass. Street railway supplies, grey iron castings. Cable address, "Barbstock," Cambridge. Code, Western Union.

Barclay Chemical Company, 402 First National Bank building, Williamsport, Pa. Export agents, Wm. S. Gray & Co., 76 William street, New York. Wood alcohol, acetate of lime and charcoal.

Barger, Bains & Munn, Inc., Jasper and Adams streets, Philadelphia, Pa. Seamless hosiery. Foreign agents: David Costaguta & Co., Buenos Aires, Argentina; W. S. Lang & Co., Adelaide, South Australia.

Barnard & Leas Manufacturing Company, Inc., 405 Twentieth street, Moline, Ill. Machinery for flour mills, rice mills, corn mills, grain elevators, power transmission, cereal foods. Cable address, "Barnard," Moline. Codes, A B C, Western Union and Lieber's Five Letter.

Barnard & Simonds Company, Inc., Rochester, N. Y. Chairs.

A. R. Barnes & Co., 1104 Wabash avenue, Chicago, Ill. General printers and binders and manufacturers of the "Perfection" impression books.

W. F. & John Barnes Company, Rockford, Ill. Metal working lathes, 9" to 18" swing; metal drilling machines, upright, horizontal and gang; hand and foot power wood working machinery. Cable address, "Barnes," Rockford. Codes, Lieber's and private.

The Wallace Barnes Company, Bristol, Conn. Springs, screw machine products, cold rolled spring steel, washers and stampings. Cable address, "Barnsco," Bristol. Code, Western Union.

Barnet Leather Company, 81 Fulton street, New York. High grade calf skins for shoe uppers. Cable address, "Newmade," New York. Codes, A B C Fifth edition, Lieber's, Directory and Widebrook's.

The Barnett & Record Company, 700 Flour Exchange building, Minneapolis, Minn. Engineers and contractors for grain elevators, mills, docks, etc.

G. & H. Barnett Company ("Black Diamond File Works"), 1078 Frankford avenue, Philadelphia, Pa. Files and rasps. Cable address, "Barnett," Philadelphia. Codes, A B C and Lieber's.

Oscar Barnett Foundry Company, Irvington, N. J. Automatic chain grate stokers; dish washing machinery; equipment for brass foundries, flasks; low voltage dynamos for electroplating; light and heavy gray iron castings.

The Barney & Smith Car Company, 100 Keowee street, Dayton, Ohio. Steam railway passenger and freight equipment of all wood, composite wood and steel or all steel construction as follows: sleeping, dining, parlor and coach passenger cars; mail, combination mail and baggage and baggage cars; box, gondola, hopper, refrigerator and flat cars. Cable address, "Cars," Dayton.

Barnhart Brothers & Spindler, Throop and Monroe streets, Chicago, Ill. Eastern offices, 300 Communipaw avenue, Jersey City, N. J.; 30 Burling slip, New York. Type and a complete line of printers' supplies, such as galleys, chases, leads, slugs, brass rule, metal furniture, iron and steel furniture, etc. Foreign agents: Edwards, Dunlop & Co., Sydney and Brisbane, Australia; Frederic Wesselhoeft, Nottingham and London, England; Miller & Richard, Toronto and Winnipeg, Canada; National Paper and Type Co., Mexico City, Monterey, Guadalajara and Guaymas, Mexico; Havana, Cuba; Lima, Peru, and Buenos Aires, Argentina. Cable address, "Barnhart," Chicago. Codes, Western Union, Universal edition and private.

Barr Clay Company, Streator, Ill. Paving and building brick.

The Barrett Company, 17 Battery place, New York. "Congoleum" rugs and floor covering by the yard, made on an asphalt base painted in many different designs similar in appearance to printed linoleum, coal tar and asphalt saturated roofing felts, paving materials and coal tar chemicals. Foreign agents: The Congoleum Co., Paris, France; Walter C. Airey & Co., Cape Town, South Africa; Jose Otero & Co., Madrid, Spain; N. Ferreira da Fonseca, Lisbon, Portugal; Banco de Comercio, Tegucigalpa, Honduras; J. & R. Zeising, Rio Janeiro, Brazil. Cable address, "Terrab," New York. Code, Master.

Barrett & Company, 42 Johnson street, Newark, N. J. Skivers or split sheepskins. Export agent for South America, R. J. Bosch, 59 Pearl street, New York. Cable address, "Bart," Newark.

The Peter Barrett Manufacturing Company, Navy and Johnston streets, Brooklyn, N. Y. Trucks, wagons and auto bodies.

Bartholomay Brewery Company, 555 St. Paul street, Rochester, N. Y. Beer, ale, porter; "Vitamalt," a temperance beverage. Cable address, "Bartolomay," Rochester. Codes, A B C, A 1 and Lieber's.

Bartlett-Orr Press, 461 Eighth avenue, New York. Printing, designing and engraving.

The C. O. Bartlett & Snow Company, 1040 French street, Cleveland, Ohio. New York office, 50 Church street. "Cobwell" garbage disposal machinery;

conveying and elevating machinery; automatic and semi-automatic skip hoists; paint machinery; drying, pulverizing and crushing machinery, mechanical equipments for handling material; molding sand handling plants; hoists; coal mining equipments; screening machinery and sintering plants. Foreign agents: Juan Bardelli, Lima, Peru; Etchegaray Hermanos, Mexico City, Mexico. Cable address, "Bartlett," Cleveland.

Bashwitz Brothers & Company, Inc., 41 East Eleventh street, New York. Clothing.

Bass Foundry and Machine Company, Fort Wayne, Ind. Chilled cast iron car wheels, car and locomotive castings, chilled rolls and castings of similar character; car axles; heavy iron and steel forgings; horizontal tubular and water tube boilers; Corliss and four-valve medium speed engines; charcoal pig iron for car wheels.

Ch. Bassel, 21 East Twenty-second street, New York. Women's hand made neckwear.

The Bassett Jewelry Company, 101 Sabin street, Providence, R. I. New York office, 37 Maiden lane. General line of gold and gold filled chains and jewelry.

Robert N. Bassett Company, 220 Fifth avenue, New York. Corset wire, clasps, eyelets, hose supporters, corset cloth, hose supporter metal trimmings, trunk and suit case hardware. Cable address, "Russro," New York.

Bateman Manufacturing Company, Grenloch, N. J. Garden tools; potato planters; riding and walking cultivators; potato ridgers or hoes; sprayers: bucket, knapsack, barrel, power and traction; potato diggers; horse hoes; fertilizer distributors; hay rakes; harrows and rollers; truckers' variety row makers, row markers,, seeders and asparagus ridgers; cotton and peanut planters; corn stub cutters, weeders, orchard cultivators and beet cultivators. Jobbers of gasoline engines. Foreign agents: Richardson. Orr & Co., 8 Bridge street, New York, agents for Australia; Snyder & Bryan, 50 Broad street, New York, agents for South Africa and South America. Cable address, "Bateman," Grenloch. Code, Western Union.

The Bates Company, Danbury, Conn. Hats.

Bates & Rogers Construction Company, 37 West Van Buren street, Chicago, Ill. Civil engineers and general contractors for all classes of railroad and bridge construction, foundations, masonry, grading, tunnel lining, dams and hydro-electric power developments.

A. J. Bates, Inc., 176 Duane street, New York. Men's and women's boots and shoes. Jobbers of rubber boots and shoes. Cable address, "Batesboot," New York. Code, A B C.

Bath Iron Works, Limited, 4 Union street, Bath, Me. Steel and composite vessels, marine engines, Parsons marine steam turbines, Normand water tube boilers and feed heaters, marine and stationary boilers, condensers, forced draft blowers, pulp mill digesters and castings, tanks and standpipes, plate and sheet iron work of every description; propellers, bronze and brass castings; coppersmithing, steam fitting; pattern making and electrical wiring. Builders and repairers of all kinds of vessel work and machinery. Cable address, "Bathiron," Bath, Me. Code, Western Union.

The Bauer Cooperage Company, Second and Shipping streets, Lawrenceburg, Ind. Oil, wine and whiskey cooperage. Jobbers of cooperage material.

Baush Machine Tool Company, Springfield, Mass. Multiple spindle drilling machines, special machinery, universal joints, Lassiter stay bolt and bolt turning machinery, portable drill heads, worm gears for automobile rear axle transmission. Foreign agents: Alfred Herbert, Coventry, Eng-

land; Fenwick Frères, Paris, France. Cable address, "Baush," Springfield, Mass. Codes, Lieber's and A B C.

Baxter Kelly & Faust, 29 East Nineteenth street, New York. Plush.

Bay State Belting Company, 605 Atlantic avenue, Boston, Mass. Oak tanned, "Indian" tanned and "Water King" leather belting and leather lacing. Cable address, "Indiantan," Boston.

The Bayer Company, Inc., 117 Hudson street, New York. Aniline and alizarine colors, pharmaceutical products. Jobbers of imported aniline and alizarine colors and pharmaceutical products.

The William Bayley Company, Springfield, Ohio. Export agents: The General Fireproofing Co., 395 Broadway, New York. New York office, 303 Fifth avenue. Steel window sashes.

Bayonne Steel Casting Company, Oak street, Bayonne, N. J. Stockless and kedge anchors weighing from 10 to 150 pounds; steel castings for marine, railroad and general machinery uses. Cable address, "Dursargent," Bayonne. Code, Western.

The H. D. Beach Company, Coshocton, Ohio. New York office, 42 Union square. Lithographed metal signs and store displays, enameled steel signs in colors, leather goods for advertising as pocket books, bill folds, card cases, etc. Cable address, "Beach," Coshocton. Code, Western Union.

Beacon Manufacturing Company, Providence, R. I. New York office, 50 Union square. Blankets and napped goods.

The Beaman & Smith Company, Providence, R. I. Machine tools, milling machines, boring machines, cylinder boring machines and special machines. Cable address, "Beamsmith," Providence. Code, Lieber's Five Letter.

Bear Mill Manufacturing Company, 120 Franklin street, New York. Converters of cotton goods and manufacturers of cotton piece goods. Foreign agents: Warburg & Goldschmidt, Buenos Aires, Argentina; Pierola & Saavedra, Lima, Peru; Julia & Jiminez, Santo Domingo, Domincan Republic; Rowland Pinedo, Caracas, Venezuela; Jose Sanchez, Havana, Cuba; Themis G. Psaki, Athens, Greece; Sidley & Son, Bassishaw House, Basinghall street, London, E. C., England; Martin Hartog & Co., Amsterdam, Holland; A/S N. Moller Kroigaard, Copenhagen, Denmark; Chas. W. Johnson, Cape Town, South Africa; R. E. Blakey, Auckland, New Zealand; F. V. Barry, Melbourne, Australia; Jenkins & Palmer, Adelaide, South Australia; Brown & Dureau, Ltd., Perth, Western Australia. Cable address, "Villatic," New York. Codes, A B C Fifth edition and Lieber's.

Beattie Manufacturing Company, Little Falls, N. Y. New York office, 133 Fifth avenue. Tapestry, velvet and Axminster rugs.

The Beaver Board Companies, Beaver road, Buffalo, N. Y. New York office, 225 Fifth avenue. "Beaver Board," a wall board for interior construction; toys, "Beaver" blackboard; "Beaver" greenboard and varnishes. Cable address, "Beaver," Buffalo. Codes, Western Union, A B C Fifth and Fifth Improved editions and private.

The Beaver Soap Company, Dayton, Ohio. "Grandpa's Wonder" pine tar soap.

August C. Beck Company, 1 East street, Milwaukee, Wis. Box and flooring manufacturers.

Becker Brothers & Company, 416 North Dearborn street, Chicago, Ill. Export office, 129 West Twenty-ninth street, New York. Raw, dressed and dyed furs. Cable address, "Rekceb," New York. Codes, Lieber's and A B C Fifth edition.

Becker Milling Machine Company, Hyde Park station, Boston, Mass. Vertical and horizontal milling machines, cutter grinding machines, milling cutters, die sinking and engraving machines. Cable address, "Vertical," Hyde Park. Codes, A B C, Lieber's and Western Union.

Beckwith-Chandler Company, 201 Emmett street, Newark, N. J. Export office, 320 Fifth avenue, New York. Highest grade varnishes for automobiles, coaches, carriages, railways, street railways and architectural work. Cable address, "Beckchand," New York. Codes, Lieber's and Standard.

The Beckwith Company, Dowagiac, Mich. Stoves, ranges and heating systems. Cable address, "Warmth," Dowagiac.

Beckwith Organ Company, Inc., Twenty-ninth and Chestnut streets, Louisville, Ky. Organs and pianos.

Arthur Behal Company, 37 West Twenty-sixth street, New York. Women's underwear of muslin, silk and lingerie. Cable address, "Artbehal," New York. Code, Western Union.

Behning Piano Company, 306 East One hundred and thirty-third street, New York. Grand and upright pianos and player-pianos.

Herman Behr & Company, Inc., 61 Broadway, New York. Sandpaper and emery cloth. Foreign agents: Geo. Ryder Ousey & Co., London, England; Heintz & Tascheid, Inc., Petrograd, Russia; Geo. Shaw & Partners, Denton, Manchester, England. Cable address, "Flintglue," New York.

Herman F. Behrendt, 22 Green street, Newark, N. J. Machinery.

Ernst Gideon Bek Manufacturing Company, 5 Oliver street, Newark, N. J. New York office, 15 Maiden lane. Gold, sterling and German silver soldered mesh bags.

Belding Brothers & Company, 902 Broadway, New York. Broad silks for dresses, linings, skirts, shirt waists, underwear, etc., twist: spool and embroidery silks for all kinds of work. Cable address, "Belsilk," New York.

Belfont Iron Works Co., Second street, Ironton, Ohio. Bessemer pig iron and wire rods, steel cut and wire nails, polished and galvanized fence staples, black and galvanized wire, painted and galvanized barb wired and woven wire fencing.

The Edwin Bell Company, Seventeenth street, South Side, Pittsburgh, Pa. Cooperage.

A. Beller & Company, 37 West Twenty-sixth street, New York. Cloaks and suits.

Bellman Brook Bleachery Company, Fairview, N. J. Bleaching, dyeing, mercerizing and finishing cotton goods in the piece.

Beloit Iron Works, Beloit, Wis. Paper making machinery. Cable address, "Paperchine," Beloit. Codes, Lieber's, Wester Union, A B C Fourth and Fifth editions.

Harry P. Belsinger & Company, 48 West Twenty-fifth street, New York. Cloaks and suits.

Bemis Bro. Bag Company, 40 Central street, Boston, Mass. Export office, 601 South Fourth street, St. Louis, Mo. New York office, 61 Broadway. Cotton, jute and paper bags, cotton twine and "Flexoid" waterproof air tubing. Jobbers in flax twines. Cable address, "Bemis," St. Louis. Codes, A B C Fifth edition, Bentley's, Robinson and Western Union.

Benedict Manufacturing Company, East Syracuse, N. Y. Silver plated ware, tinned iron knives, forks and spoons. Foreign agents: Chas. A. Pope, Buenos Aires, Argentina; R. Guerro, Jr., Guayaquil, Ecuador; Har-

ris Bros. & Co., Havana, Cuba; Sigmund Mann, Moscow, Russia; Markt & Co., Ltd., 98 Clerkenwell road, London, E. C., England, Paris, France, and Milan, Italy; Markt & Co., Barcelona, Spain; A. A. Kampfraath, Amsterdam, Holland; Hammacher, Delius & Co., Christiania, Norway. Cable address, "Benedict," Syracuse. Code, Western Union.

Benjamin & Johnes, 42 Warren street, Newark, N. J. New York office, 1182 Broadway. "Bien Jolie" custom finished corsets, "La Caresse" corsets, "Grecian Treco" corsets and "Bien Jolie" brassieres. Cable address, "Benjon," Newark.

Bennett & Aspden, Krams avenue and Peachin street, Roxborough, Philadelphia, Pa. New York office, 251 Fourth avenue. Plushes.

C. W. Bennett & Company, Inc., north corner of Cherry street, Fitchburg, Mass. Boston office, 59 Lincoln street. Women's, misses' and children's McKay sewed shoes, good grade.

George P. Bent Company, 214 South Wabash avenue, Chicago, Ill. "Bent" grand and upright pianos and player-pianos; "Crown" pianos and "Crown Combinola" player-pianos; "Concord" pianos and playerpianos; "Blackstone" pianos and player-pianos. Cable address, "Bent," Chicago. Codes, A B C, Lieber's and Western Union.

The A. Bentley & Sons Company, Thirteenth and Belmont avenue, Toledo, Ohio. Building contractors.

Berger Manufacturing Company, Canton, Ohio. Export office, 154 Eleventh avenue, New York. Metal culverts, flumes, silos, corn cribs, ceilings, office furniture, bins and shelving, expanded metal, lath, concrete reinforcement, roofings, black and galvanized sheets, sidewalk lights, tin plate, structural steel, non-corrosive iron, and a general line of sheet steel building materials; vacuum cleaners. Foreign branch, San Martin 233, Buenos Aires, Argentina. Cable address, "Bergeroof," New York. Codes, Lieber's, A B C Fifth edition and Western Union.

Bergstrom Paper Company, Neenah, Wis. Book and cover papers.

Berkey & Gay Furniture Company, 440 Monroe avenue, Grand Rapids, Mich. New York office, 113 West Fortieth street. Chamber, dining room and living room furniture, and novelty pieces. Cable address, "Berkeygay," Grand Rapids. Code, Western Union.

Berkshire Knitting Mills, Reading, Pa. New York office, 366 Broadway. Silk and cotton full fashioned hosiery.

Berlin Aniline Works, 213 Water street, New York. Aniline dyes, coal tar products, photographic chemicals, hematine crystals, fustic extract, solid logwood, cutch, etc. Cable address, "Berolina," New York. Code, A B C Fifth Improved edition.

Berliner, Strauss & Meyer, 28 West Twenty-third street, New York. Silk and cotton neckwear for men, young men and boys. Jobbers of silk handkerchiefs, silk and knitted reefers. Foreign agents: Stark & Co., 377 Broadway, New York, agents for Cuba, Porto Rico and Panama. Cable address, "Bestscarfs," New York. Code, Western Union.

Bernheim Distilling Company, Louisville, Ky. New York office, corner Broad and Beaver streets. American whiskies, Bourbon and rye.

Bernstein Manufacturing Company, Third street and Allegheny avenue, Philadelphia, Pa. Iron and brass beds, springs, hospital beds, aseptic white steel hospital furniture, sterilizers, mattresses, steel lockers, steel shelving, steel tote boxes, steel trucks. Cable address, "Bernclay," Philadelphia. Codes, Western Union and A B C.

Berrian & Douglas, 22 Thames street, New York. General printing.

Berry Brothers, Detroit, Mich. Export office, 262 Pearl street, New York. Varnishes, enamels, stains, japans, fillers, lacquers, etc. Foreign agents: M. Casalotto, Galleria Nazionale, Turin, Italy; E. P. Gibbs, Port of Spain, Trinidad, B. W. I.; Carlos Hempel, Aguiar 95, Havana, Cuba; J. P. Ward, 46 Elizabeth street, Melbourne, Australia. Cable address, "Berrybroth," Detroit. Codes, A B C Fifth edition and Western Union.

A. H. Berry Shoe Company, 155 Middle street, Portland, Me. Boston office, 428 Albany building. Women's shoes in welts and McKay.

The Best Light Company, 800 Second street, N. E., Canton, Ohio. Gasoline, kerosene and alcohol lamps and lighting systems. Jobbers in gas mantles. Cable address, "Best," Canton, Ohio. Codes, Western Union, Lieber's, A B C Fourth and Fifth editions and private.

Beswick & Clay Company, Inc., Twenty-fifth and Callowhill streets, Philadelphia, Pa. Yarns for sweaters, weaving, hosiery, etc.

The Bettendorf Company, Bettendorf, Iowa. New York office, 2054 Grand Central Terminal building. All steel or composite freight cars, steel underframes, freight car trucks and bolsters.

Bickford & Francis Belting Company, 35 Pearl street, Buffalo, New York. Leather belting, "Bullneck" polishing wheels, hydraulic leather, friction discs, automobile clutch cone leathers, etc. Jobbers in mechanical rubber goods, mill supplies and power transmission appliances. Cable address, "Bickford," Buffalo. Code, Western Union.

Bicknell & Fuller Paper Box Company, 50 Chardon street, Boston, Mass. Paper boxes.

Biddle-Gaumer Company, 3846 Lancaster avenue, Philadelphia, Pa. Lighting fixtures for gas and electricity. Cable address, "Gaumerco," Philadelphia. Code, Western Union.

The Bigelow Company, New Haven, Conn. New York office, 85 Liberty street. Fire tube and water tube boilers, smokestacks and flues, tanks, and heavy plate steel work of all descriptions.

Bigelow-Hartford Carpet Company, Thomsonville, Conn. Brussels, Wilton, velvet and Axminster carpets and rugs.

Cheney Bigelow Wire Works, Heywood street, Springfield, Mass. Fourdrinier wires, dandy rolls and cylinder molds, brass wire cloth for paper mill use; bank and office railings, elevator enclosures and cabs; window guard and light work. Foreign agent, American Trading Co., 25 Broad street, New York.

Bijur Motor Lighting Company, Fifteenth and Bloomfield streets, Hoboken, N. J. Electric generators for lighting automobiles, electric motors, and switches for starting automobiles.

The Bilgram Machine Works, 1235 Spring Garden street, Philadelphia, Pa. Gear wheels and bevel gear generators. Foreign agents: Farmer & Co., Clerkenwell, London, E. C., England; Ing. Ercole Vaghi, Corso Porto Unova 34, Milan, Italy; Glaenzer & Perreaud, 18 Faubourg du Temple, Paris, France; T. W. Dear, Calcutta, India. Cable address, "Bilgram," Philadelphia.

The Billings & Spencer Company, 1 Laurel street, Hartford, Conn. Machinists' tools, drop forgings and forging machinery. Cable address, "Billings," Hartford. Codes, Lieber's, A B C Fifth edition, Directory and Western Union.

Binney & Smith Company, 81 Fulton street, New York. Marking and stenciling inks, crayons, white and colored chalk, carbon black, drop black, bone black, decolorizing carbon, pigment colors and marking pots. Jobbers in brushes for marking and stenciling, box scrapers, hammers and nail

pullers. Cable address, "Epilogue," New York. Codes, Lieber's, A B C Fourth and Fifth editions, and Western Union.

The Bird-Archer Company, 90 West street, New York. "Polarized" products: chemicals to remove and prevent the formation of scale, foaming, pitting and corrosion in locomotive boilers; chemicals prepared to meet analysis of water used in stationary boilers; the "Bird-Archer Marine Extract" for marine boilers. Foreign agents: C. M. Terry, Melbourne, Australia, for Australia; Milton E. Springer Co., Plaza Santa Cruz, Manila, P. I., for the Philippine Islands. Cable address, "Birdarcher," New York. Codes, Western Union and Universal.

M. H. Birge & Sons Company, Buffalo, N. Y. New York office, 10 East Thirty-ninth street. Paper hangings of all grades, including hand prints, imitation hand-tooled leathers, sectional landscape productions. Jobbers of linens, cretonnes and fabrics for decorative purposes and leather table mats. Foreign branch: 46 Berners street, London, England. Cable address, "Birgesco," Buffalo. Code, A B C.

Birmingham Iron Foundry, Derby, Conn. Chilled and sand rolls; rolling mills for brass, copper and tinfoil; rubber mill machinery. Cable address, "Bifoundry," Derby. Codes, Lieber's and Western Union.

Birmingham Machine and Foundry Company, Birmingham, Ala. Sugar machinery, "Corliss" engines, cotton compressors and all kinds of heavy machinery and castings. Foreign agents: Adams & Co., Havana, Cuba. Cable address, "Boland," Birmingham. Code, Western Union.

Birnie Paper Company, Birnie avenue, Springfield, Mass. Papeteries, envelopes and tablets.

Bischof, Sterne & Stein, Fourth and Pike streets, Cincinnati, O. Ladies' and misses' coats and suits.

The Bishop-Babock-Becker Company, Forty-ninth street and Hamilton avenue, N. E., Cleveland, O. Export office, 376 Lafayette street, New York. "Red Cross" iceless soda fountains and supplies; opal onyx "Humigars"; "Eureka" carbonators; "Eureka" automatic bottle fillers; beer pumps, faucets, beer drawing apparatus, bottling equipment and supplies; carbonic acid gas; "Elgin" butter cutters; "Reliable" vacuum heating equipment; "Eureka" water pumps and systems; oxygen and acetylene regulators, etc. Foreign agents: Jose Farinas, Teniente Rey 19, Havana, Cuba. Cable address, "Bishbabco," Cleveland.

Bishop Gutta Percha Company, 420 East Twenty-fifth street, New York. Rubber insulated wire and cables, gutta percha products, plumping cloth and gutta percha tissue. Cable address, "Bisgutper," New York. Code, Western Union.

The Bishopric Manufacturing Company, Spring Grove and Estes avenues, Waverly Place, Cincinnati, O. "Bishopric" stucco or plaster board, wall board, sheathing board. Cable address, "Bishopric," Cincinnati. Code, Western Union.

G. A. Bisler, Inc., 247 North Sixth street, Philadelphia, Pa. New York office and factory, 70 Washington street, Brooklyn, N. Y. Paper boxes, especially high-grade candy boxes.

Bjur Brothers Comany, 705 Whitlock avenue, New York. Pianos and player-pianos. Cable address, "Burbros," New York.

The George W. Blabon Company, Nicetown, Philadelphia, Pa. New York office, 212 Fifth avenue. Floor oilcloths, linoleums, "Feltex," cork carpet and linseed oil.

Joseph Black & Sons Company, 1200 West Market street, York, Pa. New York agents, James Jamison & Co., 366 Broadway. Men's hosiery.

---

to manufacturers whose names are given in this book.

The Blackburn Varnish Company, Dana and Floral avenues, Cincinnati, Ohio. Railway, automobile. carriage, architectural, furniture and chair varnishes.

The Blackwood Steel Foundry Company, Springfield, O. Steel castings.

J. C. Blair Company, Huntingdon, Pa. "Blair's Keystone" stationery, writing and pencil paper tablets, school and college lines, papeteries, envelopes, die stamped and printed stationery, stationers' specialties.

Edwin J. Blake, 565 Windsor street, Hartford, Conn. Phosphor and manganese bronze, brass and aluminum castings, babbitt and antifriction metals, coppersmithing.

The Blakeslee Forging Company, Plantsville, Conn. Special drop forgings and carriage forgings.

Blanchard Brother & Lane, 20 Bruen street, Newark, N. J. Patent and enameled leather for automobile, furniture and carriage trades, and patent bark shoe leather. Cable address, "Blanchards," Newark. Codes, Lieber's Standard and A B C Fifth edition.

Isaac H. Blanchard Company, 418 West Twenty-fifth street, New York. Catalogues, advertising matter, color printing, house organs and magazines.

Blaw Steel Construction Company, Pittsburgh, Pa. Export office, 165 Broadway, New York. Structural steel, transmission towers, steel poles, steel forms for concrete construction, clam shell buckets, concrete mixers; cars, buckets and spouting apparatus for concrete. Cable address, "Blawco." Pittsburgh. Codes, Western Union and Lieber's.

Bless & Drake, 175 N. J. Railroad avenue, Newark, N. J. "Perfect" gas irons; "Mrs. Potts'" irons (detachable handles); self-heating smoothing irons; salamander irons with heaters; sad, laundry, pressing, polishing, flounce and sleeve irons; tailors' geese and iron stands. Foreign agent: S. Rodd & Co., Johannesburg, South Africa.

The Blickensderfer Company, Stamford, Conn. Typewriters.

E. W. Bliss Company, 17 Adams street, Brooklyn, N. Y. Sheet metal working machinery, lard and butter pail machinery, automatic tin can machinery, metal bucket and pail machinery, drop forging machinery, presses, dies, shears, drop hammers, spinning lathes, double seamers, horse shoe machinery, fork and spoon machinery. Foreign branches: 100 Boulevard Victor Hugo, St. Ouen, Paris, France; Pocock street, Blackfriars road, London, S. E., England. Cable addresses, "Bliss," Brooklyn; "Blissdon," London: "Blissco," Saint Ouen-sur Seine. Codes, A B C Fourth and Fifth editions, Business Telegraph, New Business, Lieber's, Western Union and private.

The Bloch & Hirsch Fur Company, 24 Emerson place, Brooklyn, N. Y. New York office, 25 Waverly place. Hatters' fur. Cable address, "Bloch," Brooklyn. Code, A B C Fifth edition.

Frank E. Block Company, Elliott and Block place, Atlanta, Ga. Candies, chocolates, crackers, cakes and biscuits.

Blodgett & Orswell Company, Pawtucket, R. I. Export office, 118 East Twenty-fifth street, New York. Spool cotton and thread for manufacturers.

Blood Knitting Company, Amsterdam, N. Y. Men's cotton knit underwear.

John Blood & Company, Inc., corner Seventh and Somerset streets, Philadelphia, Pa. Selling agents, Hinchman Vezin & Co., 349 Broadway, New York. Women's and men's cotton, silk and art silk hosiery.

Bloomsburg Silk Mill, Bloomsburg, Pa. New York office, 46 East Twenty-sixth street. Broad silks.

Blum & Koch, Inc., 76 Madison avenue, New York. Straw hats.

Sidney Blumenthal & Company, Inc., 395 Fourth avenue, New York. Velvets, plushes, artificial furs, velvet ribbons, upholstery materials, couch covers, laprobes and "Mohju" rugs. Cable address, "Boulevard," New York. Code, A B C Fifth edition.

The Blymyer Iron Works Company, 2933 Spring Grove avenue, Cincinnati, O. New York office, 15 Whitehall street. Sugar, coffee and rice machinery; bells for churches, schools and fire alarms. Jobbers in engines, boilers, pumps, water wheels, turbines, etc. Cable address, "Blymyer," Cincinnati. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

F. A. Bochmann & Company Inc., 254 Fourth avenue, New York. Worsted and woolen dress goods and cloakings. Cable address, "Fabinc," New York. Code, Lieber's.

Bodcaw Lumber Company, Stamps, Ark. Gang and band sawed yellow pine lumber, Byrkit laths, plastering laths, pickets, barrel heads, etc.

The Charles Boldt Company, Cincinnati, O. Paper for fibre board containers, corrugated paper goods, sheets and rolls. Cable address "Boldt," Cincinnati. Code, Western Union.

Bond Foundry and Machine Company, Manheim, Lancaster county, Pa. Power transmission, such as shaft hangers, shaft bearings, shaft couplings, shaft collars, etc. Cable address, "Bond," Manheim. Codes, Lieber's and A B C Fifth edition.

Bonnie Brothers Inc., 125 West Main street, Louisville, Ky. Distillers.

The Bonnot Company, Canton, O. Brick machinery, Portland cement machinery and pulverized coal equipment. Cable address, "Bonnco," Canton. Code, Western Union.

Booth Brothers and Hurricane Isle Granite Company, 208 Broadway, New York. Rough granite, granite paving blocks and curb, cut granite for buildings, monuments, mausoleums, statuary, bridges, sea walls, docks, etc.

Booth & Flinn, Ltd., 1942 Forbes avenue, Pittsburgh, Pa. Contractors.

Alfred W. Booth & Brother, Inc., 37 Linnet street, Bayonne, N. J. Doors, sash, blinds, interior trim; lumber and timber, both rough and dressed; cypress, fir, spruce, hemlock, hickory, maple, North Carolina pine, poplar, basswood, oak, white pine and yellow pine; thin cut lumber; creosoted lumber; lumber trimmers. Wholesalers of doors, sash, blinds and interior woodwork.

F. E. Booth Company, 110 Market street, San Francisco, Cal. Sardines, salmon, shad, shad roe, herrings and tuna fish. Cable address, "Booth," San Francisco. Codes, Western Union and A B C.

M. C. D. Borden & Sons (owners and selling agents for the American Printing Company, Fall River, Mass.), 90 Worth street, New York. Printed cotton calicos and finer grade of printed percales, printed cretonnes, draperies, robes and khaki drills. Foreign agents: Bernardo Besosa, 82 San Ignacio street, Havana, Cuba; August Pedrazzini & Co., Casilla 1020, Buenos Aires, Argentina. Cable address, "Bordenson," New York. Codes, A B C Fifth edition and Lieber's Five Letter.

M. Born & Company, 540 South Fifth avenue, Chicago, Ill. Wholesale tailors.

Bosch Magneto Company, 223 West Forty-sixth street, New York. Ignition apparatus, lighting and starting outfits for automobiles, motorcycles, motorboats, gas and oil engines. Cable address, "Magnetos," New York. Code, Lieber's.

---

to manufacturers whose names are given in this book.

Louis Bossert & Sons, Inc., 1335 Grand Street, Brooklyn, N. Y. Sashes, blinds, doors, mouldings, house trim, boxes, box shooks, portable houses, flooring and roofing.

The Boston Manufacturing Company, 50 State street, Boston, Mass. Fine ginghams, tissues, chambrays and yarns.

Boston Rubber Shoe Company, Malden, Mass. Full and complete line of rubber footwear.

Botany Worsted Mills, Passaic, N. J., also 200 Fifth avenue, New York City. All-wool dress goods, goods for men's wear and fine worsted yarns.

Boucher Cork and Machine Company, Inc., 216 West Eighteenth street, New York. Cork, straw and gold tips and bobbins for cigarette tipping. Jobbers of cigarette factory supplies and paper. Foreign agents: John Jurguens & Cia, 120 Rue da Alfandega, Rio de Janeiro, Brazil; Leopoldo Yanes & J. Tirado, hijo, Caracas, Venezuela; J. Alexander, 7 Mervan road, Brixton, London, S. W., England. Cable address, "Hastrania," New York. Code, A B C Fifth edition.

Boullee Fraser Leather Company, Inc., 232 Canal street, New York. Furniture, carriage and automobile leather; upper leather for shoes, including patent sides, glazed kid and calf leathers. Cable address, "Boullee," New York. Codes, Lieber's and A B C Fifth edition.

Bound Brook Oil-Less Bearing Company, corner John and Main streets, Bound Brook, N. J. "Bound Brook" graphite and bronze oil-less bearings and "Nigrum" impregnated wood oil-less bearings. Cable address, "Graphite," Bound Brook. Codes, A B C Fifth edition and Western Union.

The Bourbon Copper and Brass Works Company, 618 East Front street, Cincinnati, O. Fire hydrants, gate valves and valve boxes.

The Bourne-Fuller Company, 805 Euclid avenue, Cleveland, O. Export office, 17 Battery place, New York. Iron and steel bars, steel billets and structural shapes. Jobbers of all kinds and sizes of iron. Cable address, "Bourne," Cleveland. Code, Western Union.

Bourne Magnetic Truck Company, Seventeenth and Sedgley avenue, Philadelphia, Pa. Automobile trucks.

Bowen Manufacturing Company, Auburn, N. Y. New York office, 220 Broadway. Grease and oil cups, shackle bolts, metal stampings. Foreign agents: J. Pierre Couve, Sydney, Australia, for Australia and New Zealand; H. E. Lempertz, 150 Nassau street, New York, for Spain and Portugal; Muller & Phipps, Englewood, N. J., for Hawaii, Philippine Islands, the Far East and Egypt; R. A. Rothermal, 18 Poland street, Great Marlboro street, London, England, for France and the United Kingdom. Cable address, "Bowen," Auburn. Code, Western Union.

Henry Bower Chemical Company, Gray's Ferry road, Philadelphia, Pa. Anhydrous ammonia. Cable address, "Bower," Philadelphia. Codes, A B C Fourth and Fifth editions.

Bower & Kaufman, Front street and Columbia avenue, Philadelphia, Pa. New York office, 45 East Seventeenth street. Ladies' silk, cotton and lisle hosiery.

The Bowler Foundry Company, 1692 Columbus road, Cleveland, O. Gray iron castings of all sizes.

S. F. Bowser & Company, Inc., Fort Wayne, Ind. New York office, 50 Church street. Tanks for oils, gasoline and other liquids; hand and power measuring pumps and non-measuring pumps; oil filtering systems; oil metering devices; oil handling equipment for every condition. Cable address, "Bowtank," Fort Wayne. Codes, Western Union and A B C.

Boyd & Company, 200 Fifth avenue, New York. Factory, 2159 Prospect avenue, New York. Silk underwear, silk gloves, silk hosiery, Tricot and Milanese cloth.

Boyden Shoe Manufacturing Company, 185 Washington street, Newark, N. J. New York office, Room 1540, 33 West Forty-second street. Men's fine shoes.

The Boye & Emmes Machine Tool Company, 2245 Spring Grove avenue, Cincinnati, O. Engine lathes. Cable address, "Boye," Cincinnati. Codes, Lieber's, A B C and private.

B. F. Boyer Company, River avenue and East State street, Camden, N. J. Worsted yarns for knitting and weaving.

John Boyle & Company, Inc., 112 Duane street, New York. Roofing canvas for buildings, vessels, railway carriages, etc.; awning cloth; tents; tarpaulins; waterproof cloth and canvas; awning hardware; leather and canvas bags for commercial use; traveling bags; mail bags; webbing; white, dyed and waterproof cotton duck. Cable address, "Boyleduck," New York. Codes, Lieber's, A B C Fifth Improved edition and Western Union.

Boyts-Porter & Company, Water street, Connellsville, Pa. Pumps: steam air and electric driven, comprising mine, tank and boiler feed. Cable address, "Youghpump," Connellsville, Pa. Code, Western Union, Universal edition.

Brabson Brothers, 47 Hamilton street, Newark, N. J. Hardware specialties.

The Bradford Belting Company, 205 Walnut street, Cincinnati, O. New York branch, 36 Warren street. Leather belts, flat and round; leather belt cement; leather belt dressing (both stick and liquid); "Mor-Pul" pulley covering to prevent belts from slipping; lace leather; "Flax" belts (a solid woven belt), a substitute for camel's hair belts. Jobbers of rubber belts; garden, steam, mill and fire hose; belt fasteners; packings of all kinds and general mill supplies. Cable address, "Bradford," Cincinnati. Codes, Western Union, A B C Improved Fifth edition and Lieber's.

The Bradford Machine Tool Company, Eighth and Evans streets, Cincinnati, O. Metal working engine lathes, tool room lathes, turret lathes and motor-driven lathes. Foreign agents: Charles Churchill & Co., Ltd., 9 Leonard street, London, England; Aux Forges de Vulcain, No. 3 Rue St. Denis, Paris, France; C. Schinz, Gorochowaja No. 4, Petrograd, Russia; The F. W. Horne Co., Tokyo, Japan; R. L. Scrutton & Co., Ltd., 131 Clarence street, Sydney, Australia. Cable address, "Stewart," Cincinnati. Codes, Lieber's and New Business.

H. E. Bradford & Company, 751 Main street, Bennington, Vt. New York office, 346 Broadway. Men's shirts, drawers and union suits in pure wool and wool and cotton mixtures.

The Bradley & Hubbard Manufacturing Company, Meriden, Conn. Electric light fixtures, lamps and other metal goods; the "B. & H." lamps, art metal goods, andirons, brass and iron railings and grille work.

C. C. Bradley & Son, Inc., 432 North Franklin street, Syracuse, N. Y. Belt-driven and rubber-cushioned power hammers in five styles and forty sizes; hard and soft coal and coke forges; carriage shaft couplings; carriage hardware; drop forgings, etc. Foreign agents: Buck & Hickman, Whitechapel road, London, England; Fenwick Frères & Co., Paris, France. Cable address, "Bradley," Syracuse. Codes, A B C and Lieber's Standard.

Brady Brass Company, 170 Fourteenth street, Jersey City, N. J. New York office, 95 Liberty street. Brass and bronze castings, journal bearings, motor bearings, trolley wheels, battery zincs, all grades of babbitt metal and solder.

The Brainerd & Armstrong Company, New London, Conn. Export office, 215 Fourth avenue, New York. Spool sewing silks, machine twist, buttonhole twist, knitting and crochet silks, darning silk, mending silk and dental floss; "Gilt-Edge" dress silks; taffetas, satins, satin de chine and serges, silk and satin linings.

Julius Brandes Manufacturing Company, Marshall and Dakota streets, Paterson, N. J. Silk ribbons.

Brandon Printing Company, 224 Second avenue North, Nashville, Tenn. Printers, engravers, lithographers and label manufacturers, blank book makers, etc.

Brann & Stuart Company, 311 Commercial Trust building, Philadelphia, Pa. Engineers and contractors.

Brass Goods Manufacturing Company, 533 Union street, Brooklyn, N. Y. New York office, 131 Duane street. Cabinet hardware, tooth powder and talcum powder can tops; also special sheet metal goods to order in quantities. Cable address, "Brassgoods," Brooklyn. Code, A B C Fifth edition.

The Brecht Company, Twelfth and Cass avenue, St. Louis, Mo. New York office, 174 Pearl street. Machinery equipment and tools for abattoir and slaughter houses, packing houses, renderers, meat canners and sausage makers; fertilizer machinery, evaporators and dryers, refrigerating machinery up to ten tons, refrigerators, cold storage and equipment, cold storage doors, butchers' fixtures, tools and supplies, lard pails, sausage casings and spices. Foreign agents: G. T. Hamel, 23 Rue de Rocroy, Paris, France; The Brecht Co., San Martin 201, Buenos Aires, Argentina. Cable address, "Brecht," St. Louis. Codes, Western Union, A B C Fifth edition, Lieber's Standard and Leviathan.

Charles W. Breneman & Company, 2045 Reading road, Cincinnati, O. Window shade cloth and window shades. Jobbers of shade rollers and shade hollands.

John Brennan & Company, M. C. railroad and Twenty-fourth street, Detroit, Mich. Boilers, tanks, heavy plate work, etc. Cable address, "Brennan," Detroit. Codes, Western Union and Lieber's.

Brett Lithographing Company, Anabel avenue, Pearson and Meadow streets, Long Island City, N. Y. Lithographers.

Bridal Veil Lumbering Company, 1112 Yeon building, Portland, Ore. Yellow fir and larch (noble fir) lumber and larch box shooks.

Bridgeport Brass Company, 774 East Main street, Bridgeport, Conn. Export office, 253 Broadway, New York. Brass and copper sheet, rod and wire; seamless brass and copper tubing; stamped and drawn brass and copper parts; tubular plumbing goods; automobile and bicycle tire pumps; "Phono-Electric" trolley wire; "Bridgeport" bronze shafting; searchlight (acetylene gas) bicycle lamps. Cable address, "Brassport," Bridgeport.

The Bridgeport Chain Company, Bridgeport, Conn. Wire chain, flat metal chain, hooks, rings, snaps, special stamped work. Cable address, "Brichainco," Bridgeport.

Bridgeport Engineering Company, Bridgeport, Conn. Gauges, tools, special machinery, compressed air geared hoists, sanders and disc grinders, wood working machinery and "Walter's" planer.

The Bridgeport Hardware Manufacturing Corporation, 461 Iranistan avenue, Bridgeport, Conn. New York office, J. C. McCarty & Co., 29 Murray street. Nail pullers, box openers and scrapers, crate openers, screw drivers, coping saws and hack saws, pliers, hollow handle tool sets and tool kits, trowels, tinners' snips, ticket punches and miscellaneous hardware specialties. Foreign agents: For Asiatic countries, Muller & Phipps (Asia),

Ltd., Englewood, N. J.; for France, Edgar B. Frank, 157 Rue Oberkampf, Paris, France; for South Africa, Hugo Lazar & Co., P. O. Box 4200, Johannesburg, South Africa; other agents in Denmark, Argentina, etc. Cable address, "Suregrip," Bridgeport, Conn. Code, Western Union.

The Bridgeport Metal Goods Manufacturing Company, 35 Spruce street, Bridgeport, Conn. Metal goods.

Bridgeport Screw Company, Bridgeport, Conn. Full lines of iron and steel, brass and bronze wood screws.

Bridgeton Condensed Milk Company, 110 Cohansey street, Bridgeton, N. J. "Excelsior" condensed whole milk, "Bi-A-Can" condensed skimmed milk, "Sharpis" evaporated whole milk, "Use-A-Can" evaporated skimmed milk.

Brigham Brothers, R. F. D. 4, Kingston, N. Y. New York agents, Greater New York Brick Company, 103 Park avenue. Brick.

Brigham-Hopkins Company, 421 West German street, Baltimore, Md. New York office, Fifth Avenue building. Men's straw hats. Cable addresses, "Brighops" and "Hopco," Baltimore. Codes, A B C Fifth edition and Western Union.

Brighton Worsted Company, Tioga and D streets, Philadelphia, Pa. Men's wear worsteds, raincoatings, gabardines and shoe cloths.

The J. G. Brill Company, Philadelphia, Pa. Electric railway passenger, baggage, mail, freight and special service cars of wood, part steel and all steel; electric railway trucks of all kinds; power sprinkling cars, snow sweepers and snow plows; steam railway cars of wood or steel for every kind of service; car seats, seating materials; car springs and car and truck specialties and supplies. Foreign agents: London branch, 110 Cannon street, E. C.; for Australasia, Noyes Brothers, Melbourne, Sydney, Dunedin, Brisbane, Perth; for Belgium and Holland, C. Dubbelman, 48 Rue de Luxembourg, Brussels; for Argentina and Uruguay, C. S. Clarke & Co., Calle Bartholome Mitre 478, Buenos Aires; for Natal, Transvaal and Orange River Colony, Thomas Barlow & Sons, Durban, Natal; for Italy, Giovanni Checchetti, Piazza Sicilia 1, Milan. Cable address, "Brill," Philadelphia. Codes, Western Union, Lieber's Standard, Lieber's Five Letter, A B C Fifth edition and General Telegraphic.

Brilliant Silk Manufacturing Company, 387 Fourth avenue, New York. Silk brocades for linings, dress goods and tie silks; peau de cynes, taffetas, satins.

H. Brinton Company, 213 Race street, Philadelphia, Pa. Knitting, hosiery and underwear machinery. Jobbers in knitting machine needles. Foreign agents: Wildt & Co., Ltd., Leicester, England; Los Fabricantes Unidos, Buenos Aires, Argentina; Zenseki & Co., Osaka, Japan. Cable address, "Brintco," Philadelphia. Codes, A B C Fifth edition and Western Union.

Briscoe Motor Corporation, Jackson, Mich. Export office, 1796 Broadway, New York. Automobiles.

The Bristol Brass Company, Bristol, Conn. Brass, commercial bronze, gilding and German silver in every variety of sheets, rolls, plates, rods, wire brazed tubes, mouldings, angles, channels and circles.

Bristol-Myers Company, 281 Greene avenue, Brooklyn, N. Y. Complete line of pharmaceutical preparations and the following specialties: Sal hepatica. "Ziratol," "Gastrogen" tablets, Clinton cascara; also beta naphthol (technical sublimed and resublimed). Branch offices, 609 Mission street, San Francisco, Cal.; Lawson house, Clarence street, Sydney, Australia. Foreign agent: Daniel Dalsgaard, Hojbroplads 4, Copenhagen, Denmark. Cable address, "Mytol," New York. Code, A B C Fifth edition.

Broadhead Worsted Mills, Jamestown, N. Y. New York office, 257 Fourth avenue. Worsted dress goods.

Brockton Heel Company, Terminal place, Brockton, Mass. Heels, lifts, top-lifts, soles, slip taps, Rand's patented log blanks, heel stock of all kinds, pieced heeling, sole leather mats and runners and leather waste as bellies, shoulders, heads, shanks and offal. Foreign branch, Brockton Heel Company, Leicester, England.

Broderick & Bascom Rope Company, 809 North Main street, St. Louis, Mo. Factories at St. Louis, Mo., and South Seattle, Wash. Export offices. 76 Warren street, New York, and St. Louis. "Yellow Strand Powersteel" and "Patensteel" wire ropes, plain and galvanized aerial wire rope tramways; "Basline Autowline," a ¼-inch wire rope towline for automobiles; "Powersteel Truckline," a ½-inch wire rope towline for trucks and garage work; "Powersteel Autowlock," for locking the wheel and spring of automobiles or the spare tires to rack; "Rope-a-lene," a specially prepared wire rope lubricant. Jobbers in manila and sisal rope, cordage, blocks and sheaves and wire rope fittings. Cable address, "Broderick," St. Louis. Codes, Western Union and A B C Fifth edition.

John Bromley & Sons, Inc., Lehigh avenue below Front street, Philadelphia, Pa. New York office, 230 Fifth avenue. Axminster and Smyrna rugs and carpets, bath rugs, art squares, lace curtains and laces. Cable address, "Bromley," Philadelphia. Code, A B C.

Bronx Company, 177th street and Bronx river, New York. Finishers of cotton goods.

Bronze Metal Company, 30 Church street, New York. Locomotive bearing metal, journal bearings for cars, brass and bronze castings, babbitt metal, motor axle bearings, armature bearings.

The Bronze Powder Works Company, 801 Magnolia avenue, Elizabeth, N. J. Bronze powders, gold and aluminum paint and aluminum leaf. Cable address, "Bronzewerk," Elizabeth. Code, A B C.

T. H. Brooks & Company, 3104 Lakeside avenue, Cleveland, O. Iron foundry.

Brookside Mills, Knoxville, Tenn. Export office, 93 Franklin street, Boston, Mass. New York agents, Wellington, Sears & Co., 66 Worth street. Cotton duck, velvet, corduroy and specialties.

Brown-Forman Company, Inc., 117 West Main street, Louisville, Ky. Kentucky whiskey. Cable address, "Forester," Louisville. Code, Western Union.

The Brown Hoisting Machinery Company, 4403 St. Clair avenue, Cleveland, O. New York office, 50 Church street. Bridge tramways; fast plants; cantilever and gantry cranes; drag-line excavators; locomotive overhead traveling work-car, jib, pillar and bridge cranes; transfer cars; larries; electric hoists; tramway systems; trolleys; grabs; winches; grab and drag-line buckets; tubs; furnace hoists; pig iron breakers; coal and ore dumping machines; storage and suspended bins; transfer tables; water closet shields; "Ferroinclave," a combined reinforcement and centering for concrete roofs, sides, stairs, bins, floors, etc. Foreign agents: Graham Brothers, Stockholm, Sweden; Haarlemsche Machinefabriek, Haarlem, Holland; Middletown Car Company, Buenos Aires, Argentina, and Rio de Janeiro, Brazil. Cable address, "Brownhoist," Cleveland. All codes.

Brown-Lipe-Chapin Company, Syracuse, N. Y. Differential gears for automobiles.

The Brown Paper Company, Fort Madison, Iowa. Light-weight strawboard.

Brown Shoe Company, Inc., 1610 Washington avenue, St. Louis, Mo. Export office, 309 Broadway, New York. Men's, women's and children's shoes. Cable address, "Brownshoe," St. Louis.

Brown & Bailey Company, 410 North Franklin street, Philadelphia, Pa. Folding paper boxes, made ready for use, printed if desired, and shipped flat like paper; boxes made to order for special purposes.

Brown & Bigelow, Quality Park, St. Paul, Minn. New York office, 280 Madison avenue. Art calendars, engraved announcements, holiday greetings, celluloid novelties and signs, metal novelties and cloth goods, all for advertising purposes only. Foreign agents: Claude Henderson & Co., Sydney, Australia; Lambert Sales Co., Manila, Philippine Islands; D. J. Styne, Honolulu, Hawaii; Jas. Rodgers & Co., Christchurch, New Zealand. Cable address, "Bigebrown," St. Paul. Code, Western Union.

The A. & F. Brown Company, 79 Barclay street, New York. Power transmission, shafting, pulleys, hangers, bearings, clutches, gears, sheaves, grinding mills and sirens. Cable address, "Tribrow," New York. Code, A B C Fifth edition.

The Charles H. Brown Paint Company, 188 Montague street, Brooklyn, N. Y. Carriage paints, chair paints, enamels, wood fillers, floor oil, floor paint, house paints, iron paints, machinery paint, marine paints, barn and roof paints, varnish stain and floor stain, oil stain, semi-paste paints, shingle stain, wall size, tank paints, varnishes, driers, wagon and implement paint, colors in oil, blacks in japan, graphite in oil, white lead, primer, floor wax, cold water paint, permanent white and zincs in oil. Cable address, "Statesman," New York. Codes, Western Union, Lieber's and A B C Fourth and Fifth editions.

L. L. Brown Paper Company, Adams, Mass. Linen ledger and record papers, all linen and typewriter papers, bond, bank note and parchment papers. Cable address, "Brownpap," Adams. Code, Lieber's.

Thomas E. Brown & Son, Second and Westmoreland streets, Philadelphia, Pa. Hosiery.

W. Harry Brown, 2209 First National Bank building, Pittsburgh, Pa. Coal and coke.

Wilson H. Brown, 32 Strawberry street, Philadelphia, Pa. Woolen and merino yarns.

Browne-Morse Company, Muskegon, Mich. New York agent, Clark & Gibby, Inc., 343 Broadway. Office furniture, desks, filing devices for letters, documents, bills and cards; storage cases for office use and card index and vertical file supplies of all kinds.

The Brownell Company, Dayton, O. New York office, 52 Vanderbilt avenue. Steam engines, boilers, feed water heaters.

C. H. Brownell, Peru, Ind. Telephone booths, office counters and partitions, special refrigerators.

The Brunswick-Balke-Collender Company, 31 West Thirty-second street, New York. Billiard and pocket tables and their accessories; bowling alleys and accessories; "Brunswick" phonographs and "Pathé" records; "Brunswick" automobile rubber tires and tubes. Foreign branches: Libertad 176, Buenos Aires, Argentina; 80 York street, Toronto, Canada; La Calle de Capuchinas 25, Mexico City, Mexico. Foreign agents: La Compagnie Brunswick Francaise, 2 Rue des Italiens (Grand Boulevard), Paris, France; Moore & Reid, Obispo 39, Havana, Cuba. Cable address, "Brunswick," New York. Codes, A B C Fifth edition and Western Union.

Bryant Paper Company, 415 Alcott street, Kalamazoo, Mich. Book paper.

George H. Buchanan Company, 420 Sansom street, Philadelphia, Pa. Printing.

William Buchanan, State National Bank building, Texarkana, Ark. Yellow pine lumber for railroad, factory and retail yard trade.

Buck Glass Company, Fort avenue and Lawrence street, Baltimore, Md. Flint glass bottles of all descriptions.

Buckeye Iron and Brass Works, 324 East Third street, Dayton, O. Castor oil, mustard seed oil, cocoanut oil, linseed and cottonseed oil machinery; tobacco cutting machines for making fine cut, smoking, cigarette and picadura tobacco; brass goods for engine builders, gas and steam fitters. Foreign agents: Krajewski-Pesant Corporation, Havana, Cuba; P. P. Shimunek, Moscow, Russia; Gaertner Lampe & Co., Buenos Aires, Argentina.

Buckeye Steel Castings Company, South Parsons avenue, Columbus, O. New York office, 50 Church street. Car couplers, draft gear for cars, cast steel trucks, bolsters, heavy forgings, especially in high-grade steels.

Buckingham & Hecht, 657 Mission street, San Francisco, Cal. Boots and shoes. Jobbers of rubber boots and shoes of all kinds. Cable address, "Buckhecht," San Francisco.

The Buckstaff Company, Oshkosh, Wis. Chairs and rockers; burial cases, including cloth and hardwood varnished goods.

Buckwalter Stove Company, Royersford, Pa. Cook, gas, wood, laundry, railroad and globe stoves; wood, coal and gas ranges; enameled ranges and stoves, furnaces.

The Buda Company, Railway Exchange, Chicago, Ill. New York office, 30 Church street. Railway supplies; railroad hand cars, push cars, velocipede cars, railroad gasoline motor cars; track jacks, ball bearing jacks, cone bearing jacks; electric factory trucks; rerailing frogs, gauges and levels, electric headlights, bumping posts; track drills, tool grinders, rail benders; crossing gates; switch stands; bridge jacks up to 75 tons; pressed steel wheels; bonding drills; track laying cars and plate-layers' trolleys. Foreign agents: The Electromobile, Ltd., Leeds, and W. A. Green, Caxton House, Westminster, London, S. W., England; C. M. Terry, Inc., Sydney, Australia; R. W. Comeron & Co., Melbourne, Brisbane, Adelaide, Australia, and Wellington, New Zealand; Evans, Thornton & Co., Buenos Aires, Argentina; W. R. Grace & Co., Callao, Peru, and Valparaiso, Chili; The Russian American Co. for International Trade, Petrograd, Russia, and Vladivostock, Eastern Siberia. Cable address, "Buda," Chicago. Codes, Premier and Western Union.

Buffalo Envelope Company, 268 Michigan avenue, Buffalo, N. Y. Manufacturers and printers of envelopes.

Buffalo Foundry and Machine Company, East Ferry and Fillmore avenue, Buffalo, N. Y. New York office, 17 Battery place. Vacuum drying apparatus, vacuum drying and impregnating apparatus, single and multiple effect evaporators, vacuum pans, condensers, dry vacuum pumps, solvent reclaiming apparatus, chemical apparatus and complete chemical plants for producing heavy chemicals, acids, alkalies, organic chemicals, high explosives, coal tar colors and kindred products; single and double frame steam hammers. Cable address, "Bufoundry," Buffalo. Code, Western Union.

Buffalo Gasolene Motor Company, 1280 Niagara street, Buffalo, N. Y. New York office, 30 Church street. Internal combustion engines for marine, fire truck, farm tractor, excavating machine, railroad car, tree spraying, bridge swinging, air compressor and generator work. Cable address, "Fischer," Buffalo. Codes, Western Union, A B C Fifth Improved edition, Lieber's and private.

Buffalo Pitts Company, 27 Carolina street, Buffalo, N. Y. Traction and portable engines, threshing machinery of all kinds. Cable address, "Pitts," Buffalo. Codes, A B C and Western Union.

Buffalo Steel Company, Fillmore avenue, Tonawanda, N. Y. Export office, 30 Church street, New York. Steel bars consisting of angles, flats, squares, rounds, channels, tees, reinforcing bars, U-bars, I-bars, cross-arm braces, etc. Cable address, "Steel," Tonawanda, N. Y. Code, Western Union.

Buffalo Structural Steel Company, Letchworth street near Grant, Buffalo, N. Y. Fabricators of structural steel for buildings and bridges.

Buffalo Union Furnace Company, Foot of Hamburg street, Buffalo, N. Y. Foundry, Bessemer, malleable and basic pig iron, high-grade phosphorus pig iron (all manufactured with coke).

Buffalo Weaving and Belting Company, 234 Chandler street, Buffalo, N. Y. Solid woven rubber and cotton belting, mechanical rubber goods, polishing webs, web horse goods, web straps, cotton webbing and printers' tapes. Cable address, "Weaving," Buffalo. Code, Western Union.

Buhl Malleable Company, Wight and Adair streets, Detroit, Mich. Malleable iron, malleable steel and open hearth steel castings.

Bulkley, Dunton & Company, 75 Duane street, New York. Paper: book, coated, coating, enameled and news. Jobbers of paper pulp. Cable address, "Bulkley," New York.

Bull's Ferry Chemical Company, Edgewater, N. J. Export office, 644 Greenwich street, New York. Chloride, sulphate and acetate of chrome; soluble oils; turkey-red oils; "Oxitan," oil for tanning; indigotine; indigo; carmine; indigo extract; sulphur black, blue, brown and yellow. Cable address, "Klipstein," New York. Codes, Lieber's, A B C Fourth and Fifth editions and Bentley.

Bunte Brothers, Incorporated, 730 West Monroe street, Chicago, Ill. Chocolates and candies. Foreign agents: Muller & Phipps, Englewood, N. J., representatives for Hawaii, the Philippine Islands, China, India and the Far East; L. Noel & Sons, London, for the United Kingdom; A. J. Alsdorf Corp., Chicago, for Argentina; Henri Frick & Co., San Jose, Costa Rica, for Central America. Cable address, "Diabunte," Chicago. Code, A B C Fifth edition.

The Bunting Brass and Bronze Company, Spencer street, Toledo, Ohio. Bearing bronze, finished, machined bronze bushings and bearings. Foreign agents: J. H. Wendstadt, Honolulu, H. I.; Weiss, Beheller & Brooks, Ltd., London, England. Cable address, "Bunting," Toledo.

L. R. Burch & Co., Inc., 52 Broadway, New York. Chemicals. Jobbers of gelatine, glue and chemicals.

Burk Brothers, 925 North Third street, Philadelphia, Pa. Glazed and dull kid. Foreign agents: Baxter's Leather Co., Ltd., 46 Tabernacle street, London, England; Herman Loewenstein, Paris, France. Cable address, "Oxide," Philadelphia. Code, Lieber's.

Burlington Silk Mills, 432 Fourth avenue, New York. Silk dress goods and silk shirtings. Cable address, "Martilcohn," New York. Codes, Western Union and Lieber's.

George B. Burnett & Son, 36 West Fourth street, New York. Men's, boys', misses' and children's straw hats. Cable address, "Burntstraw," New York. Code, A B C Fourth edition.

W. Atlee Burpee & Company, Fifth and Buttonwood streets and York avenue, Philadelphia, Pa. Seeds. Cable address, "Burpee," Philadelphia. Codes, A B C Fifth and Fifth Improved editions, Marconi Wireless and International Cable Register of the World.

Burr Printing House, 18 Jacob street, New York. Catalogues, magazines and books.

Burroughs Adding Machine Company, Detroit, Mich. New York office, 217 Broadway. Adding and listing machines, bookkeeping machines and calculating machines. European headquarters, Burroughs Adding Machine Ltd., 76 Cannon street, London, E. C., England. Cable address, "Burad," Detroit. Codes, Western Union, Lieber's and A B C Fifth edition.

Burson Knitting Company, Rockford, Ill. New York office, 346 Broadway. Ladies' cotton and silk hose. Foreign agent, Muller Export Company, Buenos Aires, Argentina.

Burt Machine Company, 401 East Oliver street, Baltimore, Md. Labeling, casing and wrapping machines for round cans only. Cable address, "Burtco," Baltimore. Codes, A B C Fifth edition and Western Union.

F. N. Burt Company, Ltd., Buffalo, N. Y. Paper boxes for face powders, perfumes, toilet articles of all kinds, Turkish cigarettes, fountain pens, druggists' pill and powder boxes, and all kinds of small fine paper boxes of similar construction.

Bush Terminal Company, 100 Broad street, New York. Business is the operation of piers, warehouses, railroad terminals and industrial buildings.

Butterworth-Judson Company, 61 Broadway, New York. Manufacturing chemists.

H. W. Butterworth & Sons Company, York and Cedar streets, Philadelphia, Pa. Finishing machines for bleaching, drying, dyeing and calendering textile fabrics. Cable address, "Buttworth," Philadelphia. Codes, A B C Fourth and Fifth editions.

Samuel Buyer & Company, 663 Broadway, New York. Hose supporters, garters, elastic webbing, dress shields, sanitary goods, arm bands, corset laces, bandage webs, shoe laces, inside skirt beltings, non-elastic webs and snap fasteners. Cable address, "Edbuyer," New York.

A. M. Byers Company, Pittsburgh, Pa. New York office, 23 Sullivan street. Wrought iron pipe, nipples and couplings; wrought iron oil country goods: oil well tubing, line pipe, drill pipe, oil well casing, drive pipe and inserted joint casing. Foreign agents: Purdy & Henderson Company, Havana 55, Havana, Cuba. Cable address, "Byers," Pittsburgh. Codes, Western Union A B C, Lieber's and any registered code.

The William Cabble Excelsior Wire Manufacturing Company, 80 Ainslie street, Brooklyn, N. Y. Wire cloth.

The Cable Company, Jackson boulevard and Wabash avenue, Chicago, Ill. Pianos, player-pianos and music rolls. Cable address, "Musicable," Chicago. Code, A B C Fifth edition.

Cadillac Motor Car Company, 1343 Cass avenue, Detroit, Mich. Motor cars. Foreign agents: Fehling Hnos., Buenos Aires, Argentina; John McGrath, Ltd., Sydney and Brisbane, Australia; Carlos Cusicanqui M., La Paz, Bolivia; H. C. Chetwood-Aiken, The Magallanes Motor Garage, Magallanes, Punta Arenas, and Williamson, Balfour & Co., Valparaiso, Chile; Central Garage, Ltd., Shanghai and Hankow, China; for Colombia, Rafael de Castilla & Co., 21 State street, New York; Guillermo Petriccione, Havana, Cuba; Aktieselskabet Cyclone, Copenhagen, Denmark; for Dutch East Indies, Dodge & Seymour, Ltd., 193 West street, New York; H/m van Gebroeders Hymans, Samarang; Auto Import Maatschappij, Batavia, and Nederlandsch Indische Automobiel Maatschappij, Soerabaya, Java; F. S. Bennett, Ltd., 24 Orchard street, London, W. C., England; S. Nikolajeff, Jr., Helsingfors, Finland; J. Tomine, Neuilly-sur-Seine, France; Gonzalez Rubio & Co., Guayaquil, Ecuador; Jean Manussi, Athens, Greece; Von Hamm-Young Co., Ltd., Honolulu, Hawaii; K. Landeweer, Utrecht, Holland; for India, Dodge & Seymour, Ltd., 193 West street, New York; French Motor Car Co., Calcutta; Bombay Cycle & Motor Co., Bombay, and Walker Sons &

Co., Ltd., Colombo, Ceylon; Cesare G. Rendano, Caserta, Italy; Motor Car & Supplies, Ltd., Kingston, Jamaica; Andrews & George Co., Kiohashi-ky, Tokio, Japan; Adam & Co., Port Louis, Mauritius; General Machinery and Supply Co., S. A., Mexico City and Tampico, Mexico; James M. Nahon, Marshan, Tangier, Morocco; Dexter & Crozier, Ltd., Auckland and Christchurch, New Zealand; Akt. Sorensen & Balchen, Christiania, Norway; Cadillac Garage, Canal Zone, Panama; American Hardware and Plumbing Co., Manila, P. I.; Sanchez Morales & Co., San Juan, Porto Rico; Empresa Industrial Portugueza, Lisbon, Portugal; Societatea Romana de Automobile, Bucharest, Roumania; for Russia, International Manufacturers Sales Co., Woolworth Building, New York, and Bolshaia Lubianka 6, Moscow; Borghi Daglio & Co., San Salvador, Salvador; Siam Import Co., Ltd., Bangkok, Siam; for South Africa, Henry W. Peabody & Co., 17 State street, New York; Beniamin & Lawton, Cape Town; John Scrimgeour & Son, Port Elizabeth; Charles Howie, Kimberley, and Johannesburg Motor Mart, Ltd., Johannesburg, South Africa; for Andalusian district, Spain, The Garage Internacional, Seville; Akt. Fred. Wagner, Stockholm, Sweden; Gordon, Grant & Co., Port of Spain, Trinidad; Emilio F. Wagner Co., Lima, Peru; J. L. Gorrondona, Caracas, Venezuela. Cable address, "Cadauto," Detroit. Codes, A B C Fifth edition, Lieber's and Western Union.

George H. Cahoone Company, 7 Beverly street, Providence, R. I. New York office, 200 Fifth avenue. Finest quality of rhinestone jewelry: brooches, bar pins, rings and earrings. Foreign agent, Wm. H. Roughton, 286 Bourke street, Melbourne, Australia.

The Calco Chemical Company, Bound Brook, N. J. Export office, Woolworth building, New York. Dyestuffs: orange II. acid scarlet R, acid scarlet 2 R, Bordeaux B, fast wool red B, methylene blue; tartrazine, nigrosine; intermediates; aniline oil, aniline salt, beta naphthol, para nitraniline, dimethylaniline. Cable address, "Calcochem," New York. Codes, Western Union and A B C.

Calculagraph Company, 30 Church street, New York. Calculagraphs; time recorders, registers, computers, stamps; elapsed time machines. Cable address, "Calcugraph," New York. Code, Western Union.

California Barrel Company, Twenty-second and Illinois streets, San Francisco, Cal. Barrels, kegs, kits, pails and buckets, woodenware, shooks; tight and slack cooperage, heads and staves. Cable address, "Retsko," San Francisco. Codes, Western Union, A B C Fifth and Fifth Improved editions.

California Fruit Canners' Association, 120 Market street, San Francisco, Cal. See California Packing Corporation.

California Glue Company, Fairfax avenue and Rankin street, San Francisco, Cal. Glue and gelatine, glue grease. Cable address, "Calglue," San Francisco. Codes, Western Union, A B C Fourth and Fifth editions.

California Packing Corporation, successors to California Fruit Canners' Association, 120 Market street, San Francisco, Cal. Canned goods: fruits, vegetables, preserves, jams and jellies; evaporated fruits, prunes, raisins and honey. Cable address, "Calfruit," San Francisco. All standard codes.

California Perfume Company, Inc., 31 Park place, New York. Export office, 17 Battery place, New York. Perfumes, soaps and toilet preparations. Cable address, "Calperco," New York.

Emil Calman & Company, 100 William street, New York. Varnishes, enamels, japans. Cable address, "Emilcal," New York. Codes, Western Union and A B C.

---

to manufacturers whose names are given in this book.

Calumet Iron Works, Ball's lane, Newark, N. J. New York office, 111 East Thirty-first street. Structural steel, plate, tank and ornamental iron work.

The Cambridge Collieries Company, 508 Rockefeller building, Cleveland, Ohio. Miners of bituminous coal.

The Cameron Electrical Manufacturing Company, Inc., 205 Main street, Ansonia, Conn. Commutators and commutator segments. Foreign agent: Ernest Demoly, 43 Rue de Trevise, Paris, France.

A. J. Cameron & Company, Kensington and East Glenwood avenues, Philadelphia, Pa. New York office, 260 West Broadway. Bradford system worsted yarns and tops. Cable address, "Cameron," Philadelphia. Code, A B C Fifth edition.

Campbell, Metzger & Jacobson, 932 Broadway, New York. Art needlework; plain, fancy and decorative linens, notions and embroideries. Cable address, "Frontinus," New York. Codes, Western Union Universal and Five Letter editions.

Joseph Campbell Company, 32 North Front street, Camden, N. J. New York agent, Frank J. Minkel, 100 Hudson street. Canned soups: asparagus, beef, bouillon, celery, chicken, chicken gumbo, clam bouillon, clam chowder, consommé, julienne, mock turtle, mulligatawny, mutton, pea, oxtail, pepper pot, printanier, tomato, tomato-okra, vegetable, vermicello-tomato; pork and beans, and tomato sauce in cans. Foreign agents: Pacific Commercial Co., Manila, P. I.; J. W. H. Grout, Sydney, Australia, for Australia and New Zealand; Grevatt Bros., 90 West street, New York, for Cuba and Porto Rico; Rose & Laflamme, Ltd., 500 St. Paul street, W., Montreal, Canada. Cable address, "Camelsoup," Camden.

The Campbell's Creek Coal Company, 918 Union Central building, Cincinnati, Ohio. Bituminous coal.

The L. Candee & Company, 214 East street, New Haven, Conn. Export office, United States Rubber Company, Ltd., New York. Rubber footwear. Foreign agents: India Rubber Products Company, Ltd., 47 Farrington street, London, England. Cable address, "Rubexport," New York. Codes, A 1, Lieber's, A B C Fourth and Fifth editions, Western Union Universal and Five Letter editions.

The H. O. Canfield Company, 191 Housatonic avenue, Bridgeport, Conn. Mechanical rubber goods. Cable address, "Hofield," Bridgeport. Code, Western Union.

The Canton Bridge Company, Canton, Ohio. Bridges, turntables, structural iron work and general jobbing.

The Capewell Horse Nail Company, 36 Governor street, Hartford, Conn. Horseshoe nails. Cable address, "Horsenails," Hartford. Code, A B C Fifth edition.

Capitol Brass Works, 592 Franklin street, Detroit, Mich. Radiator and gate valves, boiler trimmings and gauges.

The Capitol Foundry Company, Inc., Hartford, Conn. Grey iron castings for gas and gasoline engines, and general line of high-grade casting for special work; vanadium iron a specialty.

The Carborundum Company, Niagara Falls, New York. New York office, 26 West Broadway. Artificial abrasives: "Carborundum" wheels, paper and cloth, oil stones, razor strops, static resistance rods and pyrometer protection rods; "Aloxite" wheels, cloth and oil stones; garnet paper and cloth, hand and foot-power grinders. Cable address, "Carborund," Niagara Falls. Codes, Western Union, A B C and Lieber's, last preferred.

Cardinal & Becker, 26 Fulton street, Paterson, N. J. Export office, 315 Fourth avenue, New York. Lining brocades, dress silks, brocade tie silks, satins and taffetas.

The Cardwell Machine Company, 1900 East Cary street, Richmond, Va. Oil mill machinery for extracting oil from various vegetable seeds, hydraulic presses and pumps, tobacco machinery of all kinds, peanut machinery, grain threshers and separators, corn planters and shellers, feed cutters, shuck hacklers and special machinery. Jobbers in power plants and transmission machinery. Cable address, "Cardwell," Richmond. Codes, Western Union, A B C Fifth edition, Improved and A 1.

The Philip Carey Manufacturing Company, Lockland, Cincinnati, Ohio. Export office, Richard Kelly, Inc., 114 Liberty street, New York. "Ready" roofing and asphalt shingles, roofing material, black paint for metal and wood, building paper, water-proofing, asphalt and asbestos products, pipe and boiler coverings, magnesia powder and insulations. Cable address, "Carey," Cincinnati. Codes, Western Union, A B C Fifth edition and private.

F. W. & F. Carlisle, Saginaw, Mich. Tanners of harness leather.

The Carpenter Steel Company, Reading, Pa. New York office, 100 Broadway. Steel for tools, dies, cutlery, files and wire; chrome nickel steel for automobile parts; silico-manganese, tungsten and other special alloy steels. Cable address, "Carpsteel," Reading. Code, Western Union.

Carr-Lowrey Glass Company, Baltimore, Md. New York office, 290 Broadway. Bottles for perfumes and toilet water, massage cream jars, both for corks and glass stoppers; cut glass bottles and stoppers and druggists' and prescription bottles. Jobbers of metal caps. Cable addresses, "Carlowrie," Baltimore; "Carrlowrey," New York. Code, A B C.

Carr, Ryder & Adams Company, Dubuque, Iowa. Sash, doors and interior trim.

F. S. Carr Company, 31 Beach street, Boston, Mass. Automobile and carriage top and curtain materials and seat cover material under the trade name "Neverleek." Foreign agents: Salustina Villegas, Havana, Cuba; Amador Cordero Martinez, Santiago, Chile; Habbay Frères & Co., Alexandria, Egypt; Paolo Casalotto, Turin, Italy; Guttormsen & Co., Christiania, Norway; Sally Meyer & Co., Copenhagen, Denmark; Rodrigues & Pereira, Porto, Portugal; Wm. B. Nolan, Sydney, Australia. Cable address, "Carrco," Boston. Code, Western Union.

William Carroll & Company, Inc., 743 Broadway, New York. Straw hats. Cable address, "Wilcarco," New York. Code, A B C.

Carson, Pirie, Scott & Company, Adams and Franklin streets, Chicago, Ill. New York office, 404 Fourth avenue. Hosiery, underwear, dress goods, overalls, jumpers, gloves of leather and fabric, blankets, cotton piece goods, handkerchiefs, ribbons, towels and toweling. Foreign agents: Frank Lamkin, Buenos Aires, Argentina; O. P. Corsini, Manchester, England; Jorg. Tristani, Havana, Cuba; Munford & Galves, Arequipa, Peru; Max Jacobsen, San Pedro Sula, Honduras; Chas. Henriquez, Curacao, Dutch West Indies. Cable address, "Pirie," Chicago. Codes, A B C Fifth and Fifth Improved editions, General Telegraph, Lieber's and Western Union.

Carter, Gough & Company, 46 Mulberry street, Newark, N. J. New York office, 9 Maiden lane. Platinum and 14 K. gold jewelry: brooches, scarf pins, sleeve links, vest buttons, studs, vest chains and lorgnettes, knives, mesh bags, vanity cases, puff boxes, cigarette cases, match boxes, etc.

Carter, Rice & Company, Corp., 246 Devonshire street, Boston, Mass. Writing papers, book and cover papers, card board, envelopes, manila wrappings and twines.

The Carter's Ink Company, 239 First street, Cambridge "C," Boston, Mass. New York office, 74 Duane street. Writing, colored, indelible, India, hectograph show card, rubber and metal stamping, fountain pen, box mark-

ing and check inks; air brusher colors; gold paint; white paste, mucilage, "Cico" glue and liquid cement; liquid ink eraser; typewriter oil; typewriter, hectograph, multigraph and other inked ribbons; typewriter, pen, pencil and hectograph carbon papers. Foreign branches: The Carter's Ink Company, 58 City road, London, E. C., England; 29 Rue de France, Brussels, Belgium; Znamenka 14, Moscow, Russia; 655 Drolet street, Montreal, Canada. Cable address, "Carterius," Boston. Codes, Western Union, A B C Fifth edition, Lieber's and all public codes.

E. C. Carter & Son, 116 West Thirty-second street, New York City. Lace curtains and panels. Jobbers in light draperies, laces and curtain materials. Foreign branch, E. C. Carter & Son, Paris, France.

The William Carter Company, Needham Heights, Mass. Underwear.

Carver Cotton Gin Company, East Bridgewater, Mass. Cotton seed oil, mill machinery and cotton gins. Cable address, "Vercar," Boston. Codes, A B C Fifth edition and Western Union.

C. R. Carver Company, Twentieth and Clearfield streets, Philadelphia, Pa. Automatic steel die and plate presses for stationery, catalog covers, etc. Foreign agents: Miller & Richards, Toronto and Winnipeg, Canada; Parsons Trading Co., New York, for all other countries.

Cary Manufacturing Company, Nassau and Jay streets, Brooklyn, N. Y. Embossed, flat wire and twisted wire box strapping; soft annealed and cold rolled bands; flexible steel door mats and box corner fasteners. Foreign agents: Walter P. Notcutt, Ltd., 8 White street, Moorfields, London, E. C., England; Jaime Bassas, Lauria 93, Barcelona, Spain. Cable address, "Carleio," New York. Codes, Western Union, A B C Fourth and Fifth editions.

Case Brothers, Inc., Highland Park, Manchester, Conn. Press boards, insulating boards, jacquard cards and specialties.

J. I. Case Plow Works, Racine, Wis. Export agents, Cyrus Robinson Co., Ltd., 71 Broadway, New York. Walking, riding and tractor plows; peg tooth harrows, smoothing, disc and flexible; corn, cotton, transplanter and peanut planters; corn, cotton and peanut drills; walking, riding, one row and two row cultivators; one and two row stalk cutters. Cable address, "Ploworks," Racine. Codes, A B C Fifth edition and Western Union.

J. I. Case Threshing Machine Company, Inc., Racine, Wis. Automobiles, gas, oil and steam portable and traction engines; threshers; self feeders; wind stackers; grain handlers; baling presses; road rollers, graders and drags; rock crushers; silo fillers. Jobbers in traction engine plows and dump wagons. Foreign agents: J. I. Case Threshing Machine Co., Buenos Aires, Bahia Blanca, Rosario, Argentina; Montevideo, Uruguay; Odessa, Russia; Compagnie Case de France, Paris, France. Cable address, "Case," Racine. All codes.

The Casey-Hedges Company, Chattanooga, Tenn. High pressure steam boilers of all types, steel boiler settings, smokestacks, tanks, feed water heaters, hollow blast grates, bagasse burners, Dutch oven furnaces, plate and sheet metal work; cast iron soil pipe and fittings, cesspools, service boxes, cast iron lamp standards, drinking fountains for man and beast, lawn fountains and plumbers' cast iron goods. Foreign agents: John W. Hankins, Havana, Cuba; Rafael Rodriguez Barril, San Juan, Porto Rico. Cable address, "Chatpipeco," Chattanooga. Any code.

John F. Casey Company, Union Arcade building, Pittsburgh, Pa. Engineers and contractors.

Caspar Lumber Company, 582 Market street, San Francisco, Cal. Redwood and its products, viz.: lumber, shingles, box shooks, posts, railroad ties (both sawed and split), sawed telegraph poles. Cable address, "Krebs-

wood," San Francisco. Codes, A B C, Anglo-American, Lieber's and Western Union.

Castle Kid Company, 1516 Broadway, Camden, N. J. New York office, 181 William street. Black mat kid, glazed and suede kid in colors. Cable address, "Castlekid," Camden. Codes, Lieber's, A B C Fifth edition.

John J. Cavagnaro, Fifth and Essex streets, Harrison, N. J. New York office, 255 Centre street. Silk finishing, rotary embossing, macaroni and noodle, watch case, wire mattress weaving and special machinery; hydraulic and artificial flower cutting presses. Cable address, "Johcavag," Harrison, N. J. Code, Western Union.

Cayey-Caguas Tobacco Company, Inc., 152 Water street, New York. Porto Rican office, Caguas. Grow tobacco and make cigars in Porto Rico. Cable address, "Cayaguas," New York. Code, Western Union Universal edition.

The Cedar Cliff Silk Company, 752 Broadway, New York. Broad silks for men's wear.

Central Coal and Coke Company, 602 Keith and Perry building, Kansas City, Mo. Yellow pine lumber, bituminous and semi-anthracite coal. Cable address, "Keith," Kansas City. Code, Motek.

Central Consumers' Company, Louisville, Ky. Lager beer.

The Central Foundry Company, 90 West street, New York. Cast iron soil pipe and fittings, "Universal" pipe and fittings for gas, water, etc.; service valve boxes, lamp posts, manhole frames and covers and drains, all of cast iron; miscellaneous grey iron castings. Foreign agents: Louis A. Pagette, 304 University street, Montreal, Canada; Clyde M. Sheehan, La Mutua building, Mexico City, Mexico; Donnell & Palmer, Buenos Aires, Argentina. Cable address, "Cenfounco," New York. All codes, Western Union preferred.

Central Lumber Company, Chattanooga, Tenn. Yellow pine cross-arms, oak and locust insulator pins and oak brackets for electrical work.

Central Paper Company, Muskegon, Mich. High-grade fibre and kraft papers.

Central Railway Signal Company, 2206 First National Bank building, Pittsburgh, Pa. Time-burning railway signal fuses and railway signal torpedoes. Jobbers of combination signal or flagman's cases.

The Central Stamping Company, 172 Fulton street, New York. "Puritan" tin and sheet iron goods, "Sterling" and "Primo" enameled ware, copper and galvanized sheet metal house furnishing goods. Foreign agents: Oscar Santama M., Caracas, Venezuela; M. Fernandez, Buenos Aires, Argentina; A. H. Sehryn, Lawrence street, London, England. Cable address, "Censtampco," New York.

Century Throwing Company, 152 Market street, Paterson, N. J. Silk throwing on commission.

Certain-teed Products Corporation, Boatman's Bank building, St. Louis, Mo. Export office, Woolworth building, New York. Roofing, slate-surfaced roofing, asphalt and tarred felts, deadening felts, building papers, insulating paper, plastic cement, asphalt, refined tar, roof coating, lap cement, metal paint, etc.; full line of paints and varnishes. Foreign branches: 75 Hastings house, Norfolk street, Strand, W. C. 2, London, England; Perpetual Trustee building, Sydney, Australia; Obispo 59, Havana, Cuba. Cable address, "Genromco," New York. All codes, including private.

Challenge Cutlery Corporation, Bridgeport, Conn. Knives: pocket, pen, pruning, Boy Scout, budding, lock back and farriers'; razors; Fox all-steel squares.

---

to manufacturers whose names are given in this book.

Challenge Refrigerator Company, 616 Seventh street, Grand Haven, Mich. Refrigerators. Code, Western Union.

Chalmers Knitting Company, 21 Bridge street, Amsterdam, N. Y. Knit underwear for men and boys.

Chalmers Motor Company, Detroit, Mich. Automobiles. Cable address, "Chalmotor," Detroit. Code, Western Union.

Chambers Brothers Company, Fifty-second and Media streets, Philadelphia, Pa. Machines for brick making, clay working, paper folding and feeding and sheet paper varnishing. Cable address, "Chambers," Philadelphia. Code, Western Union.

The Champion Blower and Forge Company, Lancaster, Pa. Electric, hand, lever and crank blowers and forges; steel pressure blowers; portable forges; exhaust fans; power, electric, bench, blacksmith, Universal radial and sensitive drills; grinding and thread-cutting machines; tire and axle shrinkers and welders; tire benders; lathes; disc wheels; hammers; punches; shears; screw plates; taps and dies, Tuyere irons, anvils and cream separators.

Champion Spark Plug Company, Avondale and Upton avenues, Toledo, Ohio. Spark plugs. Cable address, "Champion," Toledo. Code, Western Union.

The Champion Tool Works Company, 2420 Spring Grove avenue, Cincinnati, Ohio. Screw cutting engine lathes with from 12 in. to 18 in. swing and attachments, such as taper, turrets, draw-in, oil pan, oil pump, etc. Foreign agents: C. Schinz, Ing., Petrograd, Russia; Farmer & Co., London, England; C. S. Christensen A/S, Christiania, Norway; Akt. Rylander & Asplund, Stockholm, Sweden; Nielsen & Winther, Copenhagen, Denmark; Wynmalen & Hausmann, Rotterdam, Holland; Casamitjana Hnos., Barcelona, Spain; Alfred Herbert, Ltd., Yokohama, Japan; J. K. Eaton, Bellevue, Johannesburg, South Africa. Cable address, "Champ," Cincinnati. Codes, Lieber's and private.

Chandler Motor Car Company, East 131 street, Cleveland, Ohio. Export office, 1790 Broadway, New York. "Chandler Six" automobiles: 7 passenger touring car, 4 passenger roadster, 7 passenger limousine, 4 passenger convertible coupe, and 7 passenger convertible sedan. Cable address, "Chanmotor," New York. Codes, A B C Fifth edition and private.

The Chandler & Price Company, 6000 Carnegie avenue, Cleveland, Ohio. Platen printing presses, paper cutters, proof presses and lead and rule cutters. Cable address, "Chanprice," Cleveland. Codes, A B C and private.

C. & E. Chapal Frères & Cie., 409 Willoughby avenue, Brooklyn, N. Y. Hatters' furs, dressers and dyers of fur skins. French office, 7 Rue Klèber, Montreuil sans Bois (Seine), France. Cable address, "Chapalf," Montreuil sans Bois and Brooklyn. Codes, Western Union, Lieber's, A B C Fourth and Fifth editions and A Z Francais.

Chapin & Gould Paper Company, 317 Main street, Springfield, Mass. High-grade writing papers, bonds, ledgers and specialties. Cable address, "Crescent," Springfield, Mass.

The Chaplin-Fulton Manufacturing Company, 28 Penn avenue, Pittsburgh, Pa. New York office, 26 Cortlandt street. Regulators for natural and manufactured gas, feed water regulators, pump governors, boiler governors, tank governors, gauge cocks, steam reducing valves, syphons, injectors, gas relief valves for gasoline plants. Cable address, "Chafumanco," Pittsburgh. Code, Western Union.

The Chapman Valve Manufactoring Company, Pine street, Indian Orchard, Mass. New York office, 180 Lafayette street. Valves, hydrants, sluice gates, indicator posts, cocks and couplings. Foreign agents: Crosby Valve and Engineering Company, 147 Queen Victoria street, London, England;

Richardson Frères, Paris, France; A. R. Roberts, Toronto, Canada; Campbell Gordon Co., Ltd., Vancouver, Canada; R. A. Rièsgo, Buenos Aires, Argentina; British Australian Machinery Co., Sydney, Australia. Cable address, "Valve," Indian Orchard. Code, Western Union.

William B. Charles, Amsterdam, N. Y. Cotton waste. Jobbers of cotton yarns, linters, gunny bagging, jute waste and Scotch blackfaced wool. Cable address, "Charlestew," Amsterdam. Codes, A B C Fifth edition and Shepperson 1878 Cotton.

Chase Bag Company, 18 North Main street, St. Louis, Mo. New York office, 3511 Woolworth building. Bags from cotton, jute and burlap cloth. Jobbers of twine and paper bags. Cable address, "Ludington," New York. Codes, A B C Fourth and Fifth editions.

Chase-Shawmut Company, Newburyport, Mass. Export office, care of H. S. Salt, 114 Liberty street, New York. New York office, 3 West Twenty-ninth street. "Shawmut" enclosed fuses and fuse blocks, fuse wire ribbon and links, ground connection clamps; "Cushing" stage pockets and plugs; "Boston" cable clips.

L. C. Chase & Company, 89 Franklin street, Boston, Mass. New York office, 321 Fourth avenue. Horse clothing, plush robes, mohair plushes for cars and furniture, cloakings, trimming plush, steamer rugs, artificial leather, auto top fabrics, rubber ducks and drills. Cable address, "Hopewell," Boston. Code, Western Union.

John Chatillon & Sons, Inc., 85 Cliff street, New York. Scales of all kinds, confectioners' hardware, butcher and hotel tools, silk testers' knives of all kinds, food choppers, coffee mills, thermometers, ice tools. Cable address, "Chatillon," New York. Code, A B C Fifth Improved edition.

Chattanooga Iron and Coal Corporation, Fourteenth and Elm streets, Chattanooga, Tenn. Foundry pig iron.

Chattanooga Medicine Company, Chattanooga, Tenn. "Vino de Cardui" and "Hepalina." Cable address, "Cardui," Chattanooga. Codes, Western Union and A B C Fifth edition Improved.

Chelsea Fibre Mills, 1155 Manhattan avenue, Brooklyn, N. Y. Sales office, 212 Fifth avenue, New York. Jute yarns, twines, ropes, carpeting and seamless bags; wet spun hemp yarns. Cable address, "Ficklesand," New York. Codes, A 1, A B C Fourth, Fifth and Fifth Improved editions.

Cheney Brothers, South Manchester, Conn. New York office, Fourth avenue and Eighth street. All kinds of silk goods and yarns.

A. C. Cheney Piano Action Company, Castleton-on-Hudson, N. Y. Piano actions, pneumatic player actions; all kinds of wood mouldings, turnings, etc.

S. Cheney & Son, Manlius, N. Y. Jobbing gray iron castings and hardware specialties; cement tools, "Fowler" knife grinders and a line of small cut gear grinders for sharpening small tools.

Cherokee Fuel Company, Dwight building, Kansas City, Mo. Coal.

J. G. Cherry Company, Cedar Rapids, Iowa. "Perfection" combined churn and butter worker, "Cherry-Jensen" cream ripener and pasteurizer, starter cans, butter printers, milk coolers, milk pasteurizers, ice cream freezers for use with power, ice cream batch mixers, buttermilk machines for manufacturing commercial buttermilk, can washers and dairy churns. Jobbers of separators, milk machines, barn equipment, boilers and engines, milk and cream testers, milk bottle fillers and milk bottle washing machines. Cable address, "Cherryco," Cedar Rapids. Code, Western Union.

Chevrolet Motor Company, 600 West Fifty-seventh street, New York. Motor cars: "490" touring car, "490" roadster, "490" all-weather touring

car, "Baby-Grand" touring car, "Royal Mail" roadster and "Chevrolet Eight." Export equipment furnished on some of the models, such as right hand drive, gray body, khaki top, kilometric speedometer, metric rims and tires. Cable address, "Chevroslul," New York. Codes, A B C Fifth edition, Western Union Universal edition and Lieber's Five Letter.

Chicago Bridge and Iron Works, 105 and Throop streets, and 37 West Van Buren street, Chicago, Ill. New York office, 30 Church street. Elevated steel tanks, storage tanks and heavy plate metal work. Foreign agents: Casey-Hedges Company, 15½ Teniente Rey, Havana, Cuba. Cable address, "Chibridge," Chicago.

Chicago Car Heating Company, 1450 Railway Exchange building, Chicago, Ill. New York office, Grand Central Terminal building. Steam heating apparatus for all classes of railway passenger equipment; all devices and repair parts therefor used in connection with heating apparatus, i. e., regulators, cutout valves, hose couplers, end valves, safety valves, etc.; the "Vapor System" of steam heat. Cable address, "Vaporheat," Chicago. Code, Western Union.

Chicago-Cleveland Car Roofing Company, 535 Railway Exchange, Chicago, Ill. New York office, 50 Church street. All steel freight car roofs, inside steel freight car roofs, outside steel freight car roofs, carlines, all steel box car ends, composite box car ends.

Chicago Flexible Shaft Company, Chicago, Ill. Machines for horse clipping and sheep shearing; electric sad irons; furnaces for heat treatment of metals; gas and oil automobile and sleigh heaters; carbon fuel for automobile and sleigh heaters. Cable address, "Flexible," Chicago. Code, Lieber's.

Chicago Mill and Lumber Company, 111 West Washington street, Chicago, Ill. New York office, 1 Hudson street. All kinds of hardwood lumber, made up boxes of wood, box shooks, egg cases, wire bound boxes, corrugated paper containers, fibre board containers. Cable address, "Paepcke," Chicago. Codes, A B C Fifth edition, Telecode, Universal and Western Union.

Chicago Portland Cement Company, 831 Conway building, Box 2, Chicago, Ill. Works at Oglesby, Ill. Portland cement.

Chicago Railway Equipment Company, 1928 West Forty-sixth street, Chicago, Ill. New York office, room 1515, 30 Church street. Metal brake beams, bolsters and side bearings for railroad cars; malleable iron castings; metal towers and poles for wire transmission; steel bars for concrete reinforcement; small angles, tees and other rolling mill products. Cable address, "Creco," Chicago. Codes, Western Union, A B C and Lieber's.

Chicago Spring Butt Company, 340 Union Park court, Chicago, Ill. New York office, 81 Walker street. Spring hinges and door springs. Cable address, "Springbutt," Chicago. Codes, Lieber's and private.

Chicago Varnish Company, 2100 Elston avenue, Chicago, Ill. New York office, room 1558, 50 Church street. Varnishes and enamels for all purposes; architectural, carriage, marine, automobile and manufacturing; also stains, fillers, paints, colors, etc. Cable address, "Morganarp," Chicago. Codes, A B C Fifth edition and Lieber's.

Chicago Wheel and Manufacturing Company, 1101 West Monroe street, Chicago, Ill. Abrasive materials, dental supplies, emery dressers, emery, tool grinders, hones, dental instruments, grinding and polishing machinery, mill stones, advertising novelties, oil stones, knife sharpeners, butchers' steels, sharpening stones, emery and corundum wheels, polishing and buffing wheels and whet stones. Cable address, "Corundum," Chicago. Codes, A B C Fourth edition and Lieber's Five Letter American.

Children's Vehicle Corporation, East Templeton, Mass. Baby carriages, go-carts for children, collapsible or folding go-carts, velocipedes, baby carriage hardware and wheels. Foreign agents, Capron-Carter & Co., Ltd., 127 York street, Sydney, Australia. Cable address, "Wheels" Gardner, Mass. Code, Lieber's.

The Chisholm-Moore Manufacturing Company, 5046 Lakeside avenue, Cleveland, Ohio. Malleable iron castings, chain hoists, cranes and trolleys. Foreign agent, Theodore Butler, Ltd., 149 Queen Victoria street, London, E. C., England. Cable address, "Chishmoore," Cleveland. Code, Western Union.

The Christa Marble Company, 492 Lafayette building, Detroit, Mich. Marble.

The John Church Company, 109 West Fourth street, Cincinnati, Ohio. New York office, 39 West Thirty-second street. "Everett" grand and upright pianos, "John Church Company" pianos and player-pianos, "Harvard" pianos, "Autostyle" player-pianos; also, publishers of music books and standard musical literature. Cable address, "Church," Cincinnati.

The Cincinnati Abattoir Company, Spring Grove avenue, Cincinnati, Ohio. Pork and beef packers.

The Cincinnati Bickford Tool Company, 3220 South street, Cincinnati, Ohio. Upright and radial drilling machines, drill vises and high speed drilling attachments. Foreign agents: Chas. Churchill & Co., London, England; Aux Forges de Vulcain, Paris, France; Andrews & George, Tokio, Japan; McPherson Pty., Melbourne, Australia. Cable address, "Augustus," Cincinnati. Codes, Lieber's, Western Union and New Business.

The Cincinnati Iron and Steel Company, Front and Freeman streets, Cincinnati, Ohio. Engine, screw cutting and tool room lathes. Jobbers of all products of iron and steel. Foreign agents: A. J. Coccaro & Co., 1 Broadway, New York, for France and Spain; Grimaldi & Co., Genoa, Italy; John Macnab, Hyde, England; Young, Corley & Dolan, Inc., 115 Broadway, New York, for Russia. Cable address, "Cisco," Cincinnati. Code, A B C.

The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machines, cutter grinders and machine tools. Cable address, "Milling," Cincinnati. Codes, Lieber's, Business and private.

The Cincinnati Pulley Machinery Company, Cincinnati, Ohio. Drilling machines: ball bearing, sensitive, multiple spindle drilling machines; pulley lathes and pulley machinery. Cable address, "Pulmac," Cincinnati. Code, Lieber's.

The Cincinnati Shaper Company, Elan street and Garrard avenue, Cincinnati, Ohio. Pillar shapers, 16", 20", 24" and 32" strokes; traverse shapers, three types, 18", 22", 26" and 36" strokes on beds from 8 feet to 20 feet in length with one or two heads. Cable address, "Tools," Cincinnati. Codes, Lieber's, A B C Fifth edition, Business, Western Union Telegraphic and private.

The Cincinnati Shoe Company, 436 Sycamore street, Cincinnati, Ohio. Women's McKay sewed shoes in cheap and medium grades.

The Cincinnati Tool Company, Waverly avenue, Norwood, Cincinnati, Ohio. Clamps of all kinds, twist drills, pliers and miscellaneous hand tools for carpenters, electricians, blacksmiths and other mechanics. Cable address, "Hargrave," Norwood. Code, Lieber's.

City Baking Company, 500 Equitable building, Baltimore, Md. Bread, pies and cakes.

The H. B. Claflin Corporation, 224 Church street, New York. Sheets and pillow cases, bed spreads, dresser scarfs, table covers, doilies, etc. Jobbers of foreign and domestic rugs, general line of dry goods, notions and small

ware, remnants, oil cloths, hosiery, knit goods, laces, underwear, comforts and draperies. Cable address, "Claflin," New York. Codes, A B C Fifth and Fifth Improved editions, Lieber's, Sampers, Western Union and private.

B. P. Clapp Ammonia Company, 256 Broadway, New York. Anhydrous ammonia, aqua ammonia.

Clark Equipment Company, Buchanan, Mich. Motor truck axles and steel wheels; drill chucks; countersinks; flue cutters; high speed twist drills; reamers: high speed, chucking, bridge and boiler; drill sockets; tool holders and tool drills. Foreign agents: Rudel-Belnap Machinery Co., Montreal and Toronto, Canada; Andrews & George, Tokio, Japan. Code, Western Union.

J. L. Clark Manufacturing Company, Rockford, Ill. Lithographed tin boxes and cans in the druggists' tinware line, also flour sifters, flue stoppers, bread toasters and repair knobs.

J. Shepherd Clark Company, 114 Liberty street, New York. Publishers of *El Commercio,* a Spanish trade paper circulating in South and Central America, Mexico, West Indies, Spain and colonies, Portugal and colonies, Philippine Islands and other Spanish speaking countries. Cable address, "Comercio," New York. Codes, A B C Fifth edition, Lieber's and Veslot's.

James T. Clark Company, 70 Adams street, Newark, N. J. Iron castings. Cable address, "Edgetool," Newark.

Melville Clark Piano Company, 410 Michigan boulevard, Chicago, Ill. Pianos, player-pianos, music rolls for player-pianos. Cable address, "Apollo," Chicago. Codes, A B C Fourth and Fifth editions, Lieber's and private.

N. Clark & Sons, 116 Natoma street, San Francisco, Cal. Sewer pipe, chimney pipe, architectural terra cotta, hollow tile fireproofing, fire brick, tile, chimney tops and caps and pressed brick. Cable address, "Clarksons," San Francisco.

The W. J. Clark Company, 190 Depot street, Salem, Ohio. Steel barrels, boxes, hods for brick and mortar, kegs, buckets, pans, stools; foundry equipment, melting ladles and kettles; couplers for air and fire hose; elevator and conveyor buckets; post caps and bases; pressed steel wheels, self-rubber and fibre tired; garden weeders; truck casters and wheels; oily waste cans; sheet metal and steel stampings; pressed steel work. Jobbers in beltings of all kinds; charging baskets; ash, garbage and oily waste cans; filing cabinets; elevator buckets; bolts; bag holders; portable core-ovens; car pushers; concrete carts; spiral conveyors; coke buggies; metal furniture, lockers, shelving, bins and racks; warehouse trucks, etc. Cable address, "Kralco," Salem, Ohio. Code, Western Union Universal edition.

The Class & Nachod Brewing Company, 1729 North Mervine street, Philadelphia, Pa. Lager beer.

Clayton Brothers, Inc., Bristol, Conn. Export office, 127 Duane street, New York. Forged steel and cast shears, scissors and snips. Cable address, "Tasconio," New York.

Clayton & Lambert Manufacturing Company, 201 Piquette avenue, Detroit, Mich. Kerosene and gasoline fire pots; alcohol, gasoline illuminating, gasoline and kerosene torches; gasoline braziers; aluminum, brass and bronze castings; large and small metal stampings; automobile fenders, hoods, running-boards and gasoline tanks. Cable address, "Gasotorch," Detroit. Code, Western Union.

Clemson Brothers, 22 Cottage street, Middletown, N. Y. Selling agents, Millers Falls Company, 28 Warren street, New York. "Star" hacksaws and "Star" power machine hacksaws.

The Cleveland-Cliffs Iron Company, Rockefeller building, Cleveland, Ohio. Pig iron, methyl (wood) alcohol, acetate of lime, methyl acetone, C. P. acetone, acetic acid, formaldehyde, acetone oils, paraformaldehyde, hexamethylenetetramine, sulphuric acid and wood creosote oils. Cable address, "Cliffs," Cleveland. Code, A B C Fifth edition.

The Cleveland Milling Company, Merwin street, Cleveland, Ohio. Flour and feed.

The Cleveland Milling Machine Company, 18511 Euclid avenue, Cleveland, Ohio. Cutter relieving machines; knee type, single pulley drive, constant speed, milling machines; milling machine equipment; a full line of milling cutters; counterbores; reamers; end mills; metal slitting saws. Cable address, "Squarearm," Cleveland.

The Cleveland Planer Works, 3148 Superior avenue, Cleveland, Ohio. Openside planers for metal work. Cable address, "Planer," Cleveland. Codes, Lieber's and Western Union.

The Cleveland Pneumatic Tool Company, 6410 Hawthorne avenue, Cleveland, Ohio. New York office, 30 Church street. Pneumatic and air tools, hammers, drills, wood boring drills, grinders, riveters and hose couplings; rock drills and mining machinery. Jobbers of air hose. Foreign agents: John Macdonald & Co., Glasgow, Scotland; Aux Forges de Vulcain, Paris, France; Ing. Ercole Vaghi, Milan, Italy; Ingeniörforretningen Atlas A/S, Christiania, Norway; Aktiebolaget Axel Christiernsson Osakeyhtie, Abo, Finland; Van Rietschoten & Houwens, Rotterdam, Holland; Andrews & George, Tokyo, Japan; Bartle & Company, Johannesburg, South Africa; M. Almeida & Co., Sao Paulo, Brazil; W. T. Johnson, Wellington, New Zealand; Saunders & Stuart, Perth and Kalgoorlie, and Frank R. Perrot, Sydney, Australia. Cable address, "Pneumatic," Cleveland. Codes, A B C Fifth edition, Lieber's and Western Union.

The Cleveland Stamping and Tool Company, Hamilton avenue and Fifty-third street, Cleveland, Ohio. Enameled, polished and tinned kitchen utensils. Foreign agent: W. P. Notcutt, Ltd., 8 White street, Moorfields, London, E. C., England. Cable address, "Lava," Cleveland. Code, Western Union.

The Cleveland Steel Company, 803 Rockefeller building, Cleveland, Ohio. Steel plates and sheets, sizes No. 12 and heavier up to 300" long and 64" wide.

The Cleveland Stone Company, 1125 Leader-News building, Cleveland, Ohio. Export office, 283 Front street, New York. Loose grindstones and pulpstones, mounted grindstones; scythestones, holystone and commutator stones, building stone, flagging and curbing. Cable address, "Clevestone," Cleveland.

The Cleveland Tanning Company, Cleveland, Ohio. Patent and enameled automobile, carriage, furniture and saddlery leathers. Cable address, "Tanning," Cleveland.

The Cleveland Twist Drill Company, East Forty-ninth street and Lakeside avenue, Cleveland, Ohio. New York office, 30 Reade street. Drills, reamers, sockets, mills, counterbores, mandrels, arbors, high speed tools. Foreign agents: Alfred Herbert Ltd., Coventry, England; Fenwick Frères & Co., Paris, France; Aktiebolaget V. Lowener, Stockholm, Sweden; S. G. Weinburg, Petrograd, Russia; R. D'Aulignac, Barcelona, Spain. Cable address, "Cox," Cleveland. Codes, Lieber's, A B C and Western Union.

Cleveland Welding and Manufacturing Company, Berea road and West 117 street, Cleveland, Ohio. Steel bases for solid motor truck tires, demountable and clincher rims, steel rings, acetylene gas welded steel tubing. Cable address, "Cleveweld," Cleveland.

The Cleveland Wire Spring Company, Thirty-eighth street and Hamilton avenue, Cleveland, Ohio. Springs and sheet metal products. Cable address, "Clevspring," Cleveland.

The Cleveland Worsted Mill Company, 5932 Broadway, Cleveland, Ohio. Worsted suitings for men's wear, worsted dress goods for women's wear and worsted yarns for weaving and knitting. Foreign agents: A. G. Duque, Havana, Cuba; Manuel F. Fernandez, Buenos Aires, Argentina.

Clicquot Club Company, Millis, Mass. New York office, 100 Hudson street. Ginger ale.

Clinton Iron and Steel Company, West Carson street, South Side, Pittsburgh, Pa. New York office, 350 Broadway. Pig iron, all grades.

Clipper Belt Lacer Company, 1000 Front avenue, Grand Rapids, Mich. "Clipper" belt lacers and hooks. Jobbers in rawhide pins. Foreign agent: Wylie K. Lee, No. 7 Gainsborough Gardens, Golders Green, London, England. Cable address, "Clipper," Grand Rapids. Code, Western Union.

Cluett, Peabody & Company, Inc., 433 River street, Troy, N. Y. Export office, 385 Fourth avenue, New York. Collars, cuffs, handkerchiefs and shirts. Foreign agents: Schechter & Zoller, Havana, Cuba; Carlisle, Crocker & Co., Montevideo, Uruguay; John & R. Zeising, Rio de Janeiro, Brazil; Spencer & Waters, Santiago, Chile; Denniston & Co., La Paz, Bolivia; B. Monteith Webb & Co., Hong Kong, China; Max Bloch, Amsterdam, Holland; Owesen & Co., Christiania, Norway. Cable address, "Clupeco," Troy. Codes, A B C Fifth edition and Western Union.

Clyde Iron Works, Duluth, Minn. New York office, 30 Church street. Steam logging and excavating machinery, steam and electric hoisting engines and cableways. Cable address, "Clyde," Duluth. Codes, Western Union and Lieber's.

Coast Manufacturing and Supply Company, Livermore, Cal. Safety fuse.

J. & P. Coats (Rhode Island), Inc., Pawtucket, R. I. Spool cotton.

Cobbs & Mitchell, Inc., Cadillac, Mich. Michigan hardwoods and hemlock, maple, beech and birch flooring, 13/16" and 3/8" thickness.

Coes Wrench Company, 1 Cass square, Worcester, Mass. New York offices, 29 Murray street and 113 Chambers street. Screw wrenches and machine knives. Foreign agents: J. H. Graham, London, England; Fenwick Frères & Cia, Paris, France; Herman Raffel, Copenhagen, Denmark. Cable address, "Coes," Worcester. Codes, A B C Fourth edition and Western Union.

Cohen & Lang, 707 Broadway, New York. Children's novelty suits, regular suits and overcoats; boy's, students' and young men's suits and overcoats.

M. Cohen & Brothers, 31 West Twenty-seventh street, New York. Furs, scarfs, muffs and coats. Cable address, "Mystery," New York. Codes, Lieber's, Western Union and A B C.

The Cohoes Iron Foundry and Machine Company, 37 Van Rensselaer street, Cohoes, N. Y. Freight and passenger elevators driven by belt power and electricity only; slashing machinery and equipment for cotton mills; size kettles; grey iron castings up to 1500 lbs. each.

Colburn Machine Tool Company, Buffalo and Third streets, Franklin, Pa. Vertical boring and turning mills, heavy duty drill presses. Cable address, "Colburn," Franklin. Codes, Lieber's Fifth and Five Letter editions and A B C.

The A. Colburn Company, 110 North Second street, Philadelphia, Pa. New York office, 105 Hudson street. "Colburn's" spices, mustard, flavoring extracts, baking powder and laundry blue. Cable address, "Colburn," Philadelphia. Codes, A B C Fourth and Fifth editions and Lieber's.

Cole Manufacturing Company, 3218 South Western avenue, Chicago, Ill. "Coles" steel ranges, high oven combined heater and range and hot blast heating stoves for coal or wood; sheet iron air tight heating stoves for wood. Foreign agents: Ashdown Hardware Company, Winnepeg, Canada.

Cole Motor Car Company, East Washington and Davidson streets, Indianapolis, Ind. Export office, 44 Whitehall street, New York. New York office, 1790 Broadway. Automobiles, 8-cylinder pleasure cars only. Cable address, "Colemotor," Indianapolis.

B. E. Cole & Company, 207 Essex street, Boston, Mass. Women's shoes and slippers. Foreign agents: G. H. Dunn, Ltd., Cape Town, South Africa; Avv. E. Stevezzoli & G. Orsini, Parma, Italy. Cable address, "Becole," Boston.

The Collings-Taylor Company, 2224 Clarkwood road, Cleveland, Ohio. All wool shoddies in all qualities.

The Collins Company, Collinsville, Conn. Selling agents, Collins & Company, 212 Water street, New York. Axes, broad axes, hatchets, adzes, machetes, cane knives, bush hooks, diggers, spades, pruning knives, shovels, hoes and plows. Foreign agents: Martin N. Glynn, Havana Cuba; Ludowieg & Co., Lima, Peru; J. A. Buñols, Sto. Domingo City, Dominican Republic; F. Font Comuñas, San Juan, P. R.; Kramer & Co., Rio de Janeiro, Brazil; Lee & Villa, Sao Paulo, Brazil; Stanley Stiebel, Durban, Natal, South Africa; Frost & Cundill, Sydney, Australia. Cable address, "Collinsaxe," New York. Codes, A B C Fifth edition and Lieber's.

Collins, Darrah & Company, Nebraska, Pa. Lumber.

Collins & Company, 212 Water street, New York. See Collins Company, Collinsville, Conn.

A. M. Collins Manufacturing Company, 226 Columbia avenue, Philadelphia, Pa. New York office, 333 Fourth avenue. Pasteboard cards for photographers, stationers, printers, railroads, etc., also for the manufacture and sale of other articles of merchandise of which paper and pasteboard are component parts.

Harry Collins, 29 West Thirty-eighth street, New York. Costumes, waists and wraps. Cable address, "Harcolins," New York.

C. L. Colman Lumber Company, 111 North Fifth street, La Crosse, Wis. Lumber.

Colonial Salt Company, Akron, Ohio. Salt of all kinds.

The Colonial Sign and Insulator Company, Akron, Ohio. Electrical porcelain.

The Colorado Fuel and Iron Company, Denver, Colo. Steel rails of all weights; track spikes and bolts; angle bars; tie plates; bar iron and steel; small angles and channels; boat spikes; pipe bands; twisted bars for reinforced concrete; bright, annealed and galvanized wire; barbed wire; field fence; poultry netting; staples; bale ties; bright, galvanized and cement coated nails. Cable address, "Fuel," Denver. Code, Western Union.

Colorado Iron Works Company, Thirty-third and Wynkoop streets, Denver, Colo. Ore smelting equipments and ore milling machinery. Cable address, "Nesmith," Denver. Codes, Lieber's, A B C Fifth edition, Bedford McNeill's, Moreing & Neal's, Western Union and Directory.

Colt's Patent Fire Arms Manufacturing Company, 17 Vandyke avenue, Hartford, Conn. New York office, Room 2520 Woolworth building. Revolvers, automatic pistols and automatic machine guns. Cable address, "Colt," Hartford. Codes, A B C, Western Union and Lieber's.

Columbia Can Company, 128 Madison street, St. Louis, Mo. Tin cans of every description.

Columbia Graphophone Company, room 2068, 233 Broadway, New York. Graphophones, grafonolas, records and dictaphones. Cable address, "Colpho," New York. Codes, Lieber's, Western Union and A B C Fifth edition.

The Columbia Malting Company, 230 South La Salle street, Chicago, Ill. Malt.

The Columbia Mills, Inc., 27 West Twenty-fourth street, New York. Shade rollers, shade cloth, window shades and lace curtains. Foreign agents: E. W. Spring, 20 A Tyndale place, Upper street, London, England; Frazer & Best, Ltd., 24 Bond street, Sydney, N. S. W., Australia. Cable address, "Shadecloth," New York. Code, Western Union.

Columbia Steel and Shafting Company, Box 1595, Pittsburgh, Pa. Philadelphia office, Widener building. Cold drawn or rolled steel in all shapes, sizes and grades, turned and polished shafting. Cable address, "Shafting," Pittsburgh. Code, Western Union.

Columbian Enameling and Stamping Company, Terre Haute, Ind. New York office, 317 Broadway. Enameled stamped steel household and cooking utensils.

Columbian Rope Company, 307 Genesee street, Auburn, N. Y. New York office, 62 South street. Manila and sisal rope; oil well cordage; transmission rope; tarred goods; hide, hay and bale rope; clothes lines; binder, paper, broom, sail and mattress twines; ring and spun yarns; jute, American hemp, Italian flax and Russian flax twines. Cable address, "Columbian," Auburn, N. Y. Codes, A B C Fifth edition and Western Union.

The Columbus Bolt Works Company, 162 Randolph street, Columbus, Ohio. Export office, 7 Water street, New York. Machine, step, king and carriage (Eagle and common) bolts; hot pressed, cold pressed and semi-finished nuts; axle, saddle and automobile spring clips; clip ties; yoke and rod ends; lag screws; fifth wheels; felloe plates; spring links; top irons; automobile forgings and rivets. Jobbers in cap and set screws. Foreign agent, A. G. Duque, Teniente Rey 14, Havana, Cuba. Cable address, "Boltworks," Columbus, Ohio. Code, Western Union.

The Columbus Dental Manufacturing Company, 646 Wager street, Columbus, Ohio. Artificial teeth for crown and bridge work. Foreign agents: de Trey & Company, Ltd., London, England; Paris, France; Petrograd, Russia; Melbourne, Australia. Cable address, "Steeltooth," Columbus. Code, Western Union.

The Columbus Iron and Steel Company, Columbus, Ohio. Pig iron.

Columbus Manufacturing Company, Columbus, Ga. Selling agents, Wellington, Sears & Company, 99 Worth street, New York. Sheetings.

Colwell Worsted Mills, 204 Hartford avenue, Providence, R. I. New York office, 215 Fourth avenue. Worsted goods for men's and women's wear.

R. H. Comey Company, Camden, N. J. New York office, Greene and Houston streets. Dye and bleach straw, chip and hemp braids, all kinds of body hats and raffia grass; bleach panama hats; dye novelties, such as immortelles, ruscus, etc. Importers of raffia grass.

The Commercial Printing and Lithographing Company, corner West Exchange and Washington streets, Akron, Ohio. Printing, electrotyping, wood engraving and lithographing by all processes.

Commonwealth Shoe and Leather Company, 72 Lincoln street, Boston, Mass. New York office, 200 Fifth avenue. Men's dress boots and shoes. Cable address, "Cealth," Boston.

Commonwealth Steel Company, 1626 Pierce building, St. Louis, Mo. Combination double body bolsters and platforms, four and six wheel trucks, end frames for passenger cars, tender frames and trucks, trailer trucks, locomotive cradles, locomotive pilots and pilot beams, ash pans.

The Compo-Board Company, Minneapolis, Minn. Compo-board.

Computing-Tabulating-Recording Company, 50 Broad street, New York. Tabulating machines, sorters, punches and cards used with these machines; computing scales; meat slicers; cheese cutters; bag holders and cabinets; spring driven and electric time and cost recording systems. Foreign agents: A. R. Jennings, 57 City road, Finsbury, London, E. C., England; British Tabulating Machine Co., Ltd., 2 Norfolk street, Strand, London, England.

Conant Ball Company, Gardner, Mass. Chairs.

Concord Axle Company, Penacook Station, Concord, N. H. Wagon and carriage axles. Foreign agent: A. J. Sage & Co., Melbourne, Australia.

The Conklin Pen Manufacturing Company, 447 Huron street, Toledo, Ohio. "Conklin's" self-filling fountain pens. Cable address, "Conkpen," Toledo. Code, Western Union Universal edition.

Connecticut Electric Manufacturing Company, Bridgeport, Conn. Export office, 50 Church street, New York. Electrical supplies and accessories, knife switches, cutouts, sockets of all kinds, fuse plugs, receptacles, etc. Cable address, "Cemco," Bridgeport, Boston, Chicago and San Francisco.

Connecticut Telephone and Electric Company, Britannia street, Meriden, Conn. Igniter systems for automobiles and gas engines; lighting switches and electrical apparatus for automobiles; spark coils; telephones. Cable address, "Telephone," Meriden. Codes, A B C and Western Union.

The D. Connelly Boiler Company, Ivanhoe road and N. Y. C. and St. L. Ry., Cleveland, Ohio. Power boilers and steel plate work.

The Connersville Blower Company, Connersville, Ind. New York office, 114 Liberty street. Rotary positive gas exhausters, gas boosters, blowers and gas pumps; vacuum and pressure regulators; valveless rotary, vacuum, oil and magma pumps; jet condensers; flexible couplings; blast and non-vibrating relief valves. Cable address, "Cycloidal," Connersville, Ind. Codes, A B C Fourth and Fifth editions, Bedford McNeil, Lieber's, Standard, Moreing and Neal and Western Union.

Conroy-Prugh Company, 1340 Western avenue, Pittsburgh, Pa. Framed, toilet, novelty, bathroom, hand, stand, wall and parlor mirrors and mirror plates. Jobbers in plate and window glass.

Consolidated Dental Manufacturing Company, 130 Washington place, New York. Alloys, amalgams, gold, gutta percha and waxes for dentists, artificial teeth of all kinds, dental articulators, foot engines and hand pieces for same, portable chairs, lathes, various kinds of dental instruments, crowning systems for making gold crowns, dental silk floss, syringes and needles, dental dam rubber, vulcanite rubber, vulcanizers, dental lamps, operating instrument tables and other dental supplies. Cable address, "Donabaris," New York. Codes, General Telegraph, A B C Fifth edition and Western Union.

Consolidated Engineering Company, 243 Calvert building, Baltimore, Md. Engineers and constructors of all kinds of buildings; of municipal paving and State road works and railroad or other heavy grading; of sewers, of concrete bridges, culverts, tunnels, filtration plants, waterworks, reservoirs, etc.; appraisers and adjusters for insurance and bonding companies. Cable address "Conengo," Baltimore. Code, Western Union.

Consolidated Rendering Company, 40 North Market street, Boston, Mass. New York office, 444 Produce Exchange. Principally tallow, grease, oleo oil, stearine, gelatine, glue and fertilizer. Jobbers of hides skins and wool. Cable address, "Corenco," Boston. Codes, A B C Fourth and Fifth editions and Lieber's.

Consolidated Safety Pin Company, 46 Farrand street, Bloomfield, N. J. Safety pins; formed wires; stamped and drawn metal articles on contract.

Foreign agents: Wm. E. Peck & Co., 31 Bartholomew Close, London, England; John & R. Zeising, 189 Rua da Quitanda, Rio de Janeiro, Brazil; J. Cheleyer, 504 Collins street, Melbourne, Australia; Max Bloch, 334 N. Z. Voorburgwal, Amsterdam, Holland. Cable address, "Consapico," Bloomfield, N. J.

The Consolidated Stone Company, Bedford, Ind. Limestone quarries and mills; sawed, planed, cut and turned stone.

The Consolidation Coal Company, Inc., 14 Wall street, New York. Steam, illuminating gas, producer gas, smithing, locomotive and by-product coal; furnace and foundry coke. Foreign branches: Billiter Square buildings, London, E. C., England; 10 Via Roma, Genoa, Italy. Cable address, "Consoldo," New York. Codes, Western Union and A B C Fifth edition.

Consumers Company, 220 South State street, Chicago, Ill. Coal, ice and building material.

Contact Process Company, Abbott road near Lee street, Buffalo, N. Y. Acids and chemicals: sulphuric, muriatic and nitric acids, fuming sulphuric acid, oleum, mixed acid and salt cake. Jobbers of ammonia.

Continental Alcohol Export Corporation, 40 Exchange place, New York. Alcohol for export, beverage, medicinal, industrial, commercial and manufacturing purposes. Cable address, "Standard," New York. Code, Western Union.

Continental Gin Company, Birmingham, Ala. Cotton ginning machinery; cotton gins, feeders, condensers, presses and elevators; cotton seed linters and steam engines. Cable address. "Conginco," Birmingham, Ala. Codes, Western Union, Lieber's and A B C Fifth edition.

The Continental Iron Works, West and Calyer streets, Brooklyn, N. Y. Corrugated furnaces for land and marine boilers, welded paper digesters, welded cylinders, welded air and gas receivers, pipe of large dimensions, etc. Cable address, "Rowland," Brooklyn.

Continental Motors Corporation, 2951 Jefferson avenue East, Detroit, Mich. Gasoline motors for automobiles, trucks, tractors and aviation purposes.

Continental Paper Bag Company, 17 Battery place, New York. Paper bags and sacks, coffee and tea bags, wrapping paper, toilet paper, tissue paper, merchandise envelopes, egg cartons and paper towels. Foreign agents: The Continental Bag and Paper Co., Ltd., Ottawa, Canada; Continentale Papiersack Fabrik A G. Krappitz, Germany. Cable address, "Elsas," New York.

Continental Stove Company, Inc., Richmond, Va. Stoves and ranges for heating and cooking for all fuels except kerosene oil and gasoline.

Conway Company, 2019 St. Paul avenue, Milwaukee, Wis. Veneered doors.

Cook's Linoleum Company, Trenton, N. J. Plain, printed and inlaid linoleums; enameled and table oil cloths; "Decora" wall coverings; rubber carriage drills and ducks. Cable address, "Cookslino," Trenton. Code, A B C Fifth edition.

A. D. Cook, Lawrenceburg, Ind. Steam and power deep well pumps, oil well sucker rods and sucker rod joints, well strainers and screens, deep well cylinders and check valves.

Edward N. Cook Plate Company, 70 Ship street, Providence, R. I. Gold and silver platers.

The F. W. Cook Brewing Company, Evansville, Ind. Lager beer, "Goldblume" bottled beer. Cable address, "Cook," Evansville. Code, A B C.

The H. C. Cook Company, 28 Beaver street, Ansonia, Conn. Finger nail clippers, nail clips and signals for card index. Foreign agents: Walter P. Notcutt, Inc., 8 White street, Moorefields, E. C., London, England; Alfred Cadé, 42 Faubourg, Montmartre, Paris, France. Cable address, "Cook," Ansonia. Code, Western Union.

The Cooper Oven Thermometer Company, Pequahuck, Conn. Oven thermometers. Foreign agents: J. R. Moodie & Co., 44 Constitution street, Leith, Scotland; A. C. Hansen, Jr., Middelfart, Denmark.

Cooper Underwear Company, Kenosha, Wis. New York office, 257 Fourth avenue. Men's, women's, misses', youths', boys' and girls' woolen, cotton and silk knit union suits; also, men's and boys' athletic woven fabric union suits.

Cooper, Wells & Company, 300 Broad street, St. Joseph, Mich. Woolen, merino, cotton and silk hosiery.

The C. & G. Cooper Company, Mount Vernon, Ohio. Export office, 11 Broadway, New York. "Corliss" engines, gas engines and furnace gas producers. Cable address, "Cooper," Mount Vernon, Ohio.

H. W. Cooper Saddlery Hardware Manufacturing Company, 228 Second street, Moline, Ill. Saddlery hardware, molding machines and malleable iron castings.

Co-Operative Foundry Company, Rochester, N. Y. Stoves, ranges and house heating furnaces.

Corbin Cabinet Lock Company, Park and Orchard streets, New Britain, Conn. Export office, 21 Warren street, New York. Locks of all kinds, cabinet, pad, trunk, automobile, chest, cupboard, drawer, switch, show case, wardrobe and suit case; post office equipments; home safes; keys and key blanks; cabinet hardware; hinge hasps; escutcheons and pins, metal tags, label holders; trimmings for trunks, suit cases, boxes and cases.

Corbin Screw Corporation, High and Myrtle streets, New Britain, Conn. New York office, 94 Lafayette street. Branches at Dayton, Ohio, and Chicago, Ill. Automobile parts; bicycle parts, hubs and coaster brakes; motorcycle parts and hubs; motor parts; bolts: agricultural, hanger, stove and tire; chain: jack (single and double, iron and brass), safety and plumbers, ladder, key and dog; wire nails; nuts: machine screw, semi-finished, case hardened, castellated; pins: escutcheon (iron and brass), stove door and taper; screws: coach and lag, drive, hand rail, machine, cap and set, saw, special, thumb and wood; speedometers.

P. & F. Corbin, Park street, New Britain, Conn. New York office, 101 Park avenue. Builders' hardware, locks, butts, door and window hardware, door checks and night latches. Cable address, "Corbin," New Britain.

Corcoran-Victor Company, 712 Reading road, Cincinnati, Ohio. Automobile lamps.

Corkran, Hill & Company, Union Stock Yards, Baltimore, Md. Pork packers.

Corn Products Refining Company, 17 Battery place, New York. Corn syrup (glucose); grape and corn sugar (solid glucose); edible, laundry and manufacturing starches; dextrines and gums; mixed table syrups; refined and crude corn oil; corn oil cake and meal; gluten feed and gluten meal; rubber substitute. Foreign agents: Corn Products Company, Ltd., 40 Trinity square, London, E. C., England; Corn Products Company, G. m. b. H., Spaldingstrasse 216, Hamburg, Germany; Corn Products Company, Akt., Holmans Kanal 9, Copenhagen, Denmark; Louis Gelis-Didot & Cie., 70 Rue de Miromesnil, Paris, France; Corn Products Company, S. A., Raadhuisstraat 30-32, Amsterdam, Holland. Cable address, "Palisade," New York. Codes, Western Union, A B C Fifth edition, Lieber's Five Letter and private.

Corning Glass Works, Corning, N. Y. Export office, 18 East Forty-first street, New York. Baking ware, battery jars, bulbs, cane, chemical glassware, chimneys, cylinders, headlight glasses, lantern globes, lenses, light filters, optical glasses, "Pyrex" (a low expansion borosilicate glass), signal

glass, tubing, X-ray shields and all kinds of technical glassware. Cable address, "Cornglass," Corning, N. Y. Codes, A B C and Lieber's.

Corona Typewriter Company, Inc., Groton, N. Y. New York office, 141 West Forty-second street. "Corona" typewriters. Cable address, "Standport," Groton. Codes, Western Union, Lieber's and A B C Fifth edition.

Corset H Company, 40 Jackson street, Worcester, Mass. "Ivy" corsets and brassieres. Cable address, "Ivycorset," Worcester. Code, Western Union.

Thomas Cort, Inc., 366 Fourteenth avenue, Newark, N. J. Men's and women's boots and shoes.

The Coshocton Glove Company, Coshocton, Ohio. Workingmen's gloves.

H. W. Cotton, Inc., Woolworth building, New York. Bench lathes, bench milling machines, surface grinding machines, special machinery, special tools, jigs and fixtures, sub-press dies for clock and watch work and dies for all kinds of sheet metal. Cable address, "Autocott," New York. Code, Western Union.

Cottrell Saddlery Company, Inc., 1324 East Franklin street, Richmond, Va. Harness, collars, saddles, bridles and strap goods of all kinds. Jobbers in robes, blankets, saddlery hardware, whips and hames.

C. B. Cottrell & Sons Company, 25 East Twenty-sixth street New York. Factory, Westerly, R. I. Printing presses, flat-bed and rotary, printing from sheets or rolls in single or multi-color. Cable address, "Gidcurtly," New York.

Courier Journal Job Printing Company, Inc., 322 West Green street, Louisville, Ky. New York office, 95 William street. Lithographing, embossing, engraving, printing, blank books, loose leaves. Cable address, "Jobprint," Louisville.

J. & T. Cousins Company, 373 DeKalb avenue, Brooklyn, N. Y. Women's high grade shoes.

Covert Manufacturing Company, Troy, N. Y. Saddlery hardware: snaps, buckles, chains, saddlery specialties; rope ties; halters; leads; etc.

C. H. Cowdrey Machine Works, Rear 20 Main street, Fitchburg, Mass. Contractors, builders and designers of special machinery. Cable address, "Cowdrey," Fitchburg, Mass. Codes, Western Union and A B C Fifth edition.

Henry Cowell Lime and Cement Company, 2 Market street, San Francisco, Cal. "Mount Diablo" cement; "Cowell Santa Cruz" lime, "Cowell" hydrated lime and "Cowell" agricultural hydrated lime. Jobbers of plaster, fibre, sand and all building materials. Cable address, "Cowell," San Francisco.

C. Cowles & Company, corner Chestnut and Water streets, New Haven, Conn. Carriage, coach and automobile hardware: pillar lamps, side lights, tail lights, dome lights, bolts, switches, security locking handles, pillar and grab handles, toilet cases, window regulators, window channel, door handles, lever lock handles, door moulding, filled moulding, curtain fasteners and rollers, top locks and props, slat irons, etc. Jobbers of scrim, buckram, webbing, enamel drill and duck, curtain silk and goat skin.

Abram Cox Stove Company, American and Dauphin streets, Philadelphia, Pa. Coal, gas and combination coal and gas ranges, warm air heaters or furnaces, steam and hot water boilers, tank heaters, laundry and heating stoves.

George S. Cox & Brother, Inc., Cambria and Ormes streets Philadelphia, Pa. New York office, 215 Fourth avenue. Hair cloth. Cable address, "Minaret," Philadelphia. Codes, Western Union and A B C.

William Crabb & Company, Third avenue between Third and Fourth streets, Newark, N. J. Needle pointed goods used in the preparation of all kinds of fibres.

G. Cramer Dry Pate Company, St. Louis, Mo. New York office, 85 East Tenth street. Photo dry plates and X-ray plates. Foreign agents: Joh. L. Larson, Malmo, Sweden, for Norway and Sweden; Ad. Goecker, Copenhagen, Denmark; Riba S. en C., Barcelona, Spain; Harris Bros., Havana, Cuba; Asanuma & Co., Tokio, Japan; "Roberts," Manila, P. I. Cable address, "Cramer," St. Louis. Code, Western Union.

Wm. Cramp & Sons Ship and Engine Building Company, Richmond and Norris streets, Philadelphia, Pa. New York office, 100 Broadway. Iron and steel ships; marine, tubular, water tube. Scotch and fire box boilers; iron, steel, semi-steel and composition castings; hydraulic forging presses; steam and water turbines; special machinery; all kinds of engines; engineering forgings; machinists; dry docks and large marine railways; ship repairs; boiler feed pumps; mine, power, irrigation, centrifugal and steam pumps; iron and steel tanks. Cable address, "Cramps," Philadelphia. Codes, Lieber's, Western Union and A B C Fifth edition.

Crandal, Stone & Company, Binghamton, N. Y. Automobile and carriage top hardware, curtain fasteners, bow sockets, top braces, upholstery nails, snap fasteners, running board hangers, buckle loops, curtain lights, top prop nuts, curtain straps, etc. Foreign agents: Ed. Simiand, Calle Cramer 1720, Buenos Aires, Argentina; A. J. Sage & Co., 366 Bourke street, Melbourne, Australia; Ramos, Maderos & Diaz, Tejadillo 7, Havana, Cuba. Cable address, "Cranstone," Binghamton, N. Y.

Crane Company, 836 South Michigan avenue, Chicago, Ill. New York office, 494 Cherry street. Valves and fittings in cast iron, malleable iron, cast steel and bronze for all purposes and pressures of steam, water, gas or air. Jobbers of steel pipe, steel tubes, enameled and vitreous sanitary ware. Cable address, "Cranecoy," Chicago or New York. Codes, Western Union and private.

The Crane & Breed Manufacturing Company, 1227 West Eighth street, Cincinnati, Ohio. Export office, 17 Battery place, New York. Undertakers' supplies, automobile and horse-drawn hearses, ambulances and casket wagons. Cable address, "Cranebreed," Cincinnati. Code, Western Union.

Crane & MacMahon, Inc., 10 Bridge street, New York. Wheels for horse-drawn and motor vehicles, hubs, spokes, rims, felloes, bows, shafts, poles, bars, etc.; hickory and oak strips; oak, ash and hickory plank. Jobbers in axles and springs for horse-drawn vehicles, springs and accessories for automobiles. Foreign agents: R. W. Winning, Castlereagh and Market streets, Sydney, Australia; Walter P. Notcutt, Ltd., 8 White street, Moorefields, London, E. C., England; Arthur E. Harris, Johannesburg, and Howard C. Harris, Capetown, South Africa; Labros E. Voriadakis & Cie, Rue Ypatias 2, Athens, Greece; Samuel W. Walker, Guatemala City, Guatemala; P. D. de Pool, Longa del Commercio, Havana, Cuba; James G. Crawford, St. Johns, Newfoundland; E. P. Gibbs, Port-au-Spain, Trinidad, B. W. I.; E. Sansan, 44 Rue Hironesnil, Paris, France; Leguerrier & Legrand, Brussels, Belgium; Arturo Ehrenhaus, Calle Maipu 874, Buenos Aires, Argentina. Cable address, "Invention," New York. Codes, Western Union, Universal, A B C Fourth and Fifth editions and private.

William M. Crane Company, 16 West Thirty-second street, New York. "Vulcan" gas appliances. Jobbers of "Bray" burners. Cable address, "Vulcan," New York.

The Crawford, McGregor & Canby Company, Dayton, Ohio. Lasts, last blocks, golf goods. Cable addresses, "Daytongolf" and "Daytonlast," Dayton.

Crawshaw Carpet Company, 643 Broadway, Newburgh, N. Y. Smyrna and chenille rugs.

Cream of Wheat Company, southeast corner of Fifth street and First avenue North, Minneapolis, Minn. "Cream of Wheat."

C. F. Crehore & Son, 87 Milk street, Boston, Mass. Press boards for plate presses, Jacquard loom pattern cards. Cable address, "Effeminacy," Boston. Code, Adams' Cable Codex.

The Crescent Fire Arms Company, Falls avenue, Norwich, Conn. Export office, 314 Broadway, New York. Shot guns.

Crescent Garter Company, 515 Broadway, New York. Garters, arm bands, suspenders, hose supporters. Jobbers of leather belts. Foreign agents: Manuel F. Fernandez, Buenos Aires, Argentina; J. Puig Verdaguer, Guayaquil, Ecuador; A. E. Serfaty, Gibraltar; Ernesto Muller, Santiago, Chili; Picot & Co., Johannesburg, South Africa; Julia & Jiminez, Santo Domingo, Dominican Republic; Louis I. Constantinides, Nicosia, Cyprus; J. H. Ironmonger, Ltd., London, England. Cable address, "Gartermill," New York. Codes, Lieber's, Western Union and A B C Fifth edition.

Crescent Insulated Wire and Cable Company, Trenton, N. J. New York office, 240 West Fifty-fifth street. Rubber-covered wire and cables.

Crex Carpet Company, 1134 Broadway, New York. Grass fibre rugs and runners, grass furniture. Foreign agents: E. Bonduel & Co., Victoria 827, Buenos Aires, Argentina; P. C. Van Loon, The Hague, Holland; Conde & Co., Barcelona, Spain. Cable address, "Crexrug," New York. Code, A B C.

Crocker Chair Company, Sheboygan, Wis. Chairs. Code, Western Union.

Crocker-McElwain Company, Holyoke, Mass. Writing paper. Cable address, "Cromack," Holyoke. Code, Western Union.

Howland Croft, Sons & Company, Broadway and Jefferson avenue, Camden, N. J. Fine worsted weaving yarns. Cable address, "Linden," Camden, N. J.

Crompton Company, 49 Westminster street, Providence, R. I. New York office, 31 East Thirty-first street. Corduroys and velveteens. Cable address, "Crompton," Providence.

Crompton & Knowles Loom Works, 93 Grand street, Worcester, Mass. Weaving machinery. Foreign agent: Hutchinson, Hollingworth & Co., Ltd., Dobcross, England. Cable address, "Hutchins," Worcester, Mass. Code, Lieber's.

The Cron-Kills Company, Piqua, Ohio. Wardrobes, chifforobes and ladies' desks.

The Cronk & Carrier Manufacturing Company, 150 Lake street, Elmira, N. Y. Pliers; fencing and auto pliers; staple pullers; pruning, grass and hedge shears; garden tools; garden and lawn rakes; hoes; barn door hangers and rail; roller-bearing hangers. Foreign agent: Richardson, Orr & Co., 325 Flinders lane, Melbourne and 38 York street, Sydney, Australia; 324 Lambton quay, Wellington, New Zealand. Cable address, "Cronk," Elmira. Code, Western Union.

Crookston Lumber Company, 900 First National-Soo Line building, Minneapolis, Minn. Northern white and Norway pine, California white pine, Western pine and larch and spruce lumber, lath.

The Crosby Company, 183 Pratt street, Buffalo, N. Y. Sheet metal stampings, automobile parts: step hangers, brake drums, wheel flanges, axle housings, hub caps, ball cups, retainers, hood supports, gear covers, oil pans, etc.

Lewis A. Crossett, Inc., Railroad street, North Abington, Mass. Men's medium fine welt shoes. Cable address, "Clover," Boston.

Crossley Machine Company, State and Monmouth streets, Trenton, N. J. Machinists and founders.

Crouch & Fitzgerald, 352 West Forty-first street, New York. Trunks.

The Crouse Clay Products Company, 613 Second National Bank building, Akron, Ohio. Sewer pipe.

Crouse-Hinds Company, Syracuse, N. Y. New York office, 30 Church street. "Condulets," cast iron electric conduit outlet boxes for every need; porcelain receptacles, rosettes and covers, panel boards and cabinets for "Condulets"; knife switches; rotary ammeter and ground detector switches; "Imperial" headlights, both arc and incandescent, for traction, mine and harbor use; guy anchors; flood light projectors and round house reflectors. Cable address, "Crohinds," Syracuse. Codes, Western Union, Lieber's and private.

Timothy F. Crowley, Inc., 40 East Twenty-second street, New York. Ladies' neckwear.

The Crown Overall Manufacturing Company, southwest corner of Third and Plum streets, Cincinnati, Ohio. Overalls and jackets made of blue indigo denim and other patterns, also khaki trousers. Cable address, "Crown," Cincinnati.

Crown Willamette Paper Company, 310 Sansome street, San Francisco, Cal. Wrapping paper, tissue, news paper, paper bags, plain and printed fruit wraps. Cable address, "Wilcropaco," San Francisco. Code, Western Union.

The Cudahy Packing Company, 11 West Monroe street, Chicago. New York office, 454 West Fourteenth street. Pork and beef packers; canned meat, beef extract, glue, fertilizer, glycerine, soap and "Old Dutch" cleanser. Foreign agents: The Cudahy Packing Co., Monument street, London, E. C., England; Cudahy & Co., Ltd., Pitt street, Sydney, Australia; Geo. & Jno. Nickson & Co., Ltd., Liverpool. Cable address, "Cudahy," New York or Chicago. Codes, Western Union, A B C, A 1, Lieber's and Premier.

Curlee Clothing Company, Tenth and Washington avenue, St. Louis, Mo. Men's clothing.

Curtice Brothers Company, Rochester, N. Y. New York office, 138 Franklin street. Canned fruits and vegetables in tins; preserves, jams and jellies in glass; "Blue Label" ketchup, chili sauce and soups; boned meats; plum pudding; mince-meat and maple syrup. Codes, Lieber's, A B C and Western Union.

Curtis Brothers & Company, Clinton, Iowa. See Curtis Lumber and Millwork Company.

Curtis Lumber and Millwork Company, Clinton, Iowa. Doors, windows, frames, mouldings, blinds, cabinet work.

The Curtis Publishing Company, Independence Square, Philadelphia, Pa. Publishers.

Curtis Sash and Door Company, 201 Riverside avenue, Sioux City, Iowa. Sash; doors; mouldings; bank, store and office fixtures. Jobbers of glass, building paper and flooring.

Curtis, Towle & Paine Company, Seventh and K streets, Lincoln, Neb. Doors, windows, mouldings, frames, screens, sideboards, mantels and cabinet work. Jobbers in roofing and building papers.

Curtis & Marble Machine Company, 72 Cambridge street, Worcester, Mass. Textile machinery for cotton and woolen mills: pickers, steam finishing

machines, knit goods nappers, shearing machines for cloth and pile fabrics; brushing machines for cloth, carpets and pile fabrics; carpet machinery, pile fabrics machinery, cloth dryers, papermakers' felts dryers, cloth winding and rolling machines. Cable address, "Marble," Worcester.

Curtis & Yale Company, Wausau, Wis. See Curtis Lumber and Millwork Company.

The Cushman Chuck Company, 806 Windsor street, Hartford, Conn. New York office, 38 Vesey street. Lathe chucks, drill chucks, portable faceplate jaws. Cable address, "Cushman," Hartford. Codes, Lieber's and Western Union.

Cushman, Hollis Company, 209 Court street, Auburn, Me. Export office, 177 Lincoln street, Boston, Mass. Men's, boys', youths', little gents', women's, misses', children's and infants' canvas and leather shoes in McKay sewed and Goodyear welts. Cable address, "Cushco," Auburn, Me. Code, Western Union.

H. B. Cushman & Company, 18 Greenwich avenue, New York. Bread, cake and pastry.

The Cutler-Hammer Manufacturing Company, St. Paul avenue and Twelfth street, Milwaukee, Wis. New York office, 50 Church street. Electric motor controlling apparatus: manual, automatic and remote types for starting and regulating the speed of electric motors; "C-H" push sockets, switches, attachment plugs, receptacles and similar wiring devices; magnetically operated switches; magnet clutches and brake lifting magnets; magnetic separators; battery charging equipment; insulating material; dynamo field rheostats; theater dimmers; "C-H" magnetic gear shift for gasoline automobiles; automobile lighting switches; domestic heating appliances, such as irons, toasters, etc.; standard or special heating appliances for industrial applications, such as soldering irons, glue pots, etc.; printing press control equipment; electric meters for measuring gas; steel mill control apparatus. Foreign agents: Igranic Electric Company, Ltd., 147 Queen Victoria street, London and Bedford, England. Cable address, "Cutler," Milwaukee. Code, Lieber's.

Cutter Electrical and Manufacturing Company, Philadelphia, Pa. New York office, Hudson Terminal building. "I-T-E" circuit breakers, flush push button electric switches. Foreign agents: I-T-E Electric Company, London, England. Cable address, "Cutter," Philadelphia. Code, Lieber's.

The Cypress Lumber Company, 88 Broad street, Boston, Mass. Cypress, yellow pine, poplar, cottonwood, white ash and tupelo gum lumber. Jobbers in cypress tanks. Cable address, "Gulfcypress," Boston. Code, American Lumberman Telecode.

D & W Fuse Company, Providence, R. I. "D & W" enclosed electrical fuses and cutouts, "Deltabeston" asbestos insulated wire, "D & W" magnetic chucks. Cable address, "Nonarcing," Providence. Codes, Western Union or any code used by sender.

Daggett & Ramsdell, 214 West Fourteenth street, New York. "Perfect" cold cream, cold cream soap, shaving cream and shaving stick; "Ha-Kol," headache cologne; "Odoria" and "Violette Rico" toilet waters; "Poudre Debutante" and "Poudre Amourette." Cable address, "Dagdell," New York. Code, Western Union.

Dahlstrom Metallic Door Company, Jamestown, N. Y. New York office, 130 East Fifteenth street. Hollow metal doors, partitions and trim in steel, iron, brass and bronze; cold-drawn metal moldings; pressed shapes for ornamental work; bank fixtures; counter screens; elevator enclosures; motor car parts and special work. Jobbers of Knapp Brothers' metal base. Foreign agents: Roneo, Ltd., 5 Holborn, London, England; Acosta & Co.,

550 Suipacha, Buenos Aires, Argentina; Alexander Knox, A. M. P. building, G. P. P. 355, Sydney, Australia; The Winnipeg Ceiling and Roofing Co., Ltd., Winnipeg, Man., and H. L. Peiler & Co., 380 St. James street, Montreal, Que., Canada. Cable address, "Dahlstrom," Jamestown, N. Y. Code, Western Union.

Thomas H. Dallett Company, Broad and Federal streets, Philadelphia, Pa. Pneumatic tools for stone working, wood carving, boiler scaling and concrete facing. Cable address, "Dallettco," Philadelphia. Code, Lieber's.

The Dalton Adding Machine Company, Norwood, Cincinnati, Ohio. Sales agency, Grubbs & Johnson, 642 Woolworth building, New York. "Dalton" adding, listing and calculating machines. Foreign agents: Chas. Bechshoft, 23 Hambroes Ale, Hellerup, Denmark; L. & G. Halphen, Postfach 118, Prague, Austria; J. A. Ruys, Handelsvereening, Zuidblaak 64, Rotterdam, Holland; Mustard & Co., Shanghai, China; E. C. McCullough & Co., Inc., Manila, P. I.; Compania La Camona, 41 Maipu 43, Buenos Aires, Argentina; B. F. Inman, Mexico City, Mexico; Moore & Reid, Obispo 39, Havana, Cuba; Sanchez, Morales & Co., San Juan, Porto Rico; United Typewriter Co., 135 Victoria street, Toronto, Canada. Cable address, "Dalton," Cincinnati. Code, A B C.

Dalton Machine Company, Inc., 1911 Park avenue, New York. Engine lathes. Foreign agents: Geo. H. Alexander, Coleshill street, Birmingham, England; Glanzer & Perreaud, 18 Faubourg du Temple, Paris, France; C. Schinz, Petrograd, Russia; Grisi & Setti, Milan, Italy; D. Drury, Johannesburg, South Africa; Andrews & George, Tokio, Japan. Cable address, "Aledal," New York. Codes, Western Union, Lieber's and A B C.

Damascus Bronze Company, 928 South avenue, Pittsburgh, North Side, Pa. Babbitt metal; car journal, engine and motor bearings; special and phospor bronze; brass, bronze, car, composition metal and locomotive castings; locomotive and motor parts; rolling mill equipment; solder; phosphorized copper and tin; manganese and silicon copper. Foreign agents: Edward Le Bas & Company, Dock House, Billiter street, London, E. C., England; A. E. Stilwell, 26 Avenue de L'Opera, Paris, France. Cable address, "Damascus," Pittsburgh. Code, Western Union Universal.

Dana Warp Mills, Westbrook, Me. Cotton warps, white and colored yarns, single and ply, 10's to 80's, and cotton grain bags.

L. N. Dantzler Lumber Company, Moss Point, Miss. Export offices, Moss Point, Pascagoula and Gulfport, Miss. Lumber, timbers and cross ties. Cable address, "Dantzler," Moss Point. Codes, Southard's, Lieber's, A B C Fifth edition, Watkins and Western Union.

Darling & Company, Union Stock Yards, 4201 South Ashland avenue, Chicago, Ill. Tallows, greases, glues, poultry foods and hog foods. Jobbers in hides, skins and pelts. Cable address, "Darfood," Chicago. Codes, A B C Fifth edition, Lieber's, Western Union, Robinson, Cross and Yopps.

Dartmouth Manufacturing Corporation, New Bedford, Mass. New York agent, W. H. Langshaw & Company, 346 Broadway. Fine cotton goods in plain, fancy, leno and Jacquard weaves; particular attention to novelties requiring mercerized yarns or silk.

The Davenport Paper Box Company, 241 Main street, Cincinnati, Ohio. Stiff paper boxes and round paper cans.

The John Davenport Company, Stamford, Conn. Finished parts for automobile engines, castings of iron, brass and aluminum. Wholesalers of automobile engines.

W. O. Davey & Sons, 164 Laidlaw avenue, Jersey City, N. J. Binders' boards, shoe boards and oakum.

Davidson & Schwab, Inc., 126 West Forty-sixth street, New York. Platinum and gold mountings and fine diamond jewelry. Cable address, "Dashagem," New York.

M. T. Davidson Company, 43 Keap street, Brooklyn, N. Y. Export office, 154 Nassau street, New York. Steam pumps for all purposes, evaporators, condensers, ash ejectors. Foreign agents: W. H. Bailey & Co., Salford, Manchester, England. Cable address, "Vapor," Brooklyn. Code, Western Union.

Davies & Thomas Company, Tenth and Union streets, Catasauqua, Pa. New York office, 120 Broadway. Grey iron castings from one pound to seven tons, gas and water fittings and specials, cast iron columns and bases, culvert and under river tunnel lining; fully equipped pattern and machine shops.

Davis-Birely Table Company, 250 Elizabeth street, Shelbyville, Ind. Library, parlor, telephone, sewing and desk tables; pedestals; tabourettes; magazine cabinets and library suits. Cable address, "Jumbo," Shelbyville, Ind. Code, A B C.

Davis-Bournonville Company, Van Wagenen avenue and Pennsylvania Railroad, Jersey City, N. J. Oxy-acetylene and oxy-hydrogen welding and cutting apparatus, acetylene generators and electrolytic plants for generating oxygen and hydrogen. Cable address, "Davaco," Jersey City. Code, Western Union.

Davis Brothers, Twenty-ninth and Bristol streets, Philadelphia, Pa. Railroad, boat, wharf and ship spikes; iron and steel bars; reinforcement bars; iron and steel angles.

Davis Mills, Fall River, Mass. Fine and fancy cotton cloths to order.

The Davis Sewing Machine Company, Dayton, Ohio. New York office, 225 Fifth avenue. Sewing machines, bicycles, motorcycles and motorbicycles. Cable address, "Davwater," Dayton. Codes, Lieber's, Western Union and A B C Fourth and Fifth editions.

Davison Chemical Company, Garrett building, Baltimore, Md. New York office, 2316 Equitable building. Sulphuric acid and acid phosphate. Cable addresses, "Sulphuric," New York and "Davisonco," Baltimore. Codes, Western Union, Bedford McNeil and Lieber's.

Davol Mills, Fall River, Mass. Fancy cotton goods and sateens.

Davol Rubber Company, 69 Point street, Providence, R. I. Complete line of druggists' sundries in rubber goods for hospitals, laboratories and the home and also stationers' trade. Foreign agents: For Spain and France, Agence Americaine, 38 Avenue de l'Opera, Paris, France; Agence Americaine, 6 Rue du Rhone, Geneva, Switzerland; Leonard Morris, 7 Brazennoes street, Manchester, England; J. Mortimer Bronk, Castelvetro No. 4, Milan, Italy.

F. J. Day & Company, Summer and Harrison streets, Paterson, N. J. Silk ribbon manufacturers.

The J. H. Day Company, 1144 Harrison avenue, Cincinnati, Ohio. New York office, 90 Park place. Bakery machinery, laboratory machinery, grinding, sifting and mixing machinery and paint manufacturers' machinery. Foreign agents: Seeler Pi Co., Havana, Cuba; Morrison & Co., Valparaiso, Chile; H. V. Grosch, San Juan, Porto Rico. Cable address, "Day," Cincinnati. Codes, Lieber's and Western Union.

The Dayton Breweries Company, Commercial building, Dayton, Ohio. Keg and bottled beer, ale and ice.

The Dayton Malleable Iron Company, Dayton, Ohio. Malleable iron castings, "Dayton" patented concrete inserts.

The Dayton Manufacturing Company, 2240 East Third street, Dayton, Ohio. Brass and bronze car and ship hardware, switch locks, lamps, electric fixtures, headlights, instantaneous water heaters, spraying machines and railway supplies. Cable address, "Vapor," Dayton. Code, Western Union.

The Dayton Rubber Manufacturing Company, Dayton, Ohio. New York office, 1764 Broadway. "Dayton" airless tires for automobiles and pneumatic tires and tubes. Foreign agents: A. Kenny & Co., 398 Elizabeth street, Melbourne, Australia; Nollie & Co., Rafaela, Sante Fe, Argentina; Cunha Fajardo, Oporto, Portugal; P. Muncherji, 1 Dalal street, Bombay, India. Cable address, "Airless," Dayton. Code, Western Union.

Dean Brothers Steam Pump Works, 323 West Tenth street, Indianapolis, Ind. Pumps: steam, power, hydraulic, boiler feed, marine; jet and surface condensers; pumping machinery for all purposes. Cable address, "Deanbros," Indianapolis. Codes, Lieber's and Western Union.

Dearborn Chemical Company, 2005 McCormick building, Chicago, Ill. New York office, 299 Broadway. Lubricating oils, greases and scientific feed water treatment (boiler compound). Foreign agents: Fobes Co., Ltd., Shanghai, China; China-American Trading Co., Tientsin, China; Takato & Co., Tokio, Japan; Dearborn Chemical Co., Reconquista 46, Buenos Aires, Argentina. Cable address, "Deardrug," Chicago. All codes.

Charles R. DeBevoise Company, 265 Plane street, Newark, N. J. New York office, 1270 Broadway. Brassieres. Foreign agents: Muser Bros., 12 St. Helen street, Montreal, Canada; Louis Kaas, 10 Alexanderkade, Amsterdam, Holland. Cable address, "Brassiere," Newark.

Decatur Bridge Company, Eldorado street and Chicago, Illinois and Western railroad, Decatur, Ill. Fabricators of structural steel for buildings and bridges.

Alfred Decker & Cohn, 416 South Franklin street, Chicago, Ill. New York office, 200 Fifth avenue. Men's clothing. Cable address, "Aldecohn," Chicago. Usual codes.

Steven de Csesznak, Inc., 30 Church street, New York. Publishers of *Export American Industries* (English edition), circulating in Europe, Australia, Asia and Africa, and *America é Industrias Americanas* (Spanish edition), circulating in Mexico, West Indies, Central and South America. Each of these editions is the official international organ of the National Association of Manufacturers. Guaranteed circulation of 40,000 copies a month.

Defender Photo Supply Company, Argo Park, Rochester, N. Y. New York office, 13 West Twenty-ninth street. Photographic paper, chemicals and dry plates.

The Defiance Machine Works, Defiance, Ohio. Export office, 25 Victoria street, S. W., London, England. New York office, 17 Battery place. Wood and metal working machinery; wagon, carriage and automobile machinery; handle making machinery; spool and bobbin machinery; neck yoke and single tree machinery and hoop machinery. Foreign agents: H. Brenneisen & Co., Paris, France; Iznosskoff & Co., Petrograd and Moscow, Russia; A. R. Williams Machinery Co., Toronto, Canada. Cable addresses, "Kettenring," Defiance; "Propensity," London. Codes, Lieber's, A B C Fifth edition and Western Union.

Degnon Contracting Company, 68 Hunterspoint avenue, Queens, New York. Constructors of railroads, bridges, subways, tunnels and dock work.

The Deisel-Wemmer Company, Lima, Ohio. Cigars.

A. T. De La Mare Company, Inc., 438 West Thirty-seventh street, New York. General printing and publishers of books and of *The Florists' Exchange,* a trade paper for florists, nurserymen and seed men. Cable address, "Florex," New York.

Delaney & Company, 209 North Third street, Philadelphia, Pa. New York office, 281 Pearl street. Glue and curled hair. Cable address, "Delwhit," Philadelphia. Codes, A B C Fifth edition and Lieber's.

The De Laval Separator Company, 165 Broadway, New York, and 29 East Madison street, Chicago, Ill. Centrifugal cream separators, milk clarifiers and centrifugal separating and clarifying machinery for other purposes. Foreign agents: Aktiebolaget Separator, Stockholm, Sweden; Dairy Supply Co., Ltd., London, England. Cable address, "Lavalco," New York. Code, A B C Fifth edition.

De La Vergne Machine Company, foot of East 138th street and 30 Church street, New York. Oil engines, ice and refrigerating machinery. Cable address, "Delavergne," New York. Codes, Western Union and A B C Fifth Improved edition.

The De Long Hook and Eye Company, Broad and Wallace streets, Philadelphia, Pa. New York office, Fifth Avenue building. Hooks and eyes, hairpins, safety pins, toilet pins, paper fasteners, hook and eye tape and snap fasteners. Cable address, "Hump," Philadelphia. Code, A B C.

Dells Paper and Pulp Company, Eau Claire, Wis. Ground wood and sulphite pulp; fibre and manila wrapping papers; news print, hanging, novel and drawing papers.

The Delph Spinning Company, corner of C and Clearfield streets, Philadelphia, Pa. Selling agents, James E. Mitchell Co., 122 Chestnut street, Philadelphia, Pa. Cotton yarns, carded and combed, single and ply, cops, cones and skeins.

The Delta Spinning Mills, Lewis and Ashland streets, Frankford, Philadelphia, Pa. Combed Egyptian and peeler yarns.

The Deming Company, Depot street, Salem, Ohio. Export office, 71 Murray street, New York. New York office, 152 Chambers street. Pumps: house lift and force, set length lift and force, miscellaneous hand, power, centrifugal, rotary, single and double-acting triplex power, horizontal double-acting and spray; well and wind mill pump standards; deep well working heads; hydro-pneumatic water systems; spray pump accessories. Jobbers of well supplies. Foreign agents: A. Asher Smith, 56 Market street, Sydney, Australia; W. A. Forbes, P. O. box 36, Port Elizabeth, South Africa. Cable address, "Deming," Salem, Ohio. Codes, A B C Fourth and Fifth editions, Western Union, Lieber's and private.

Denning's Point Brick Works, Ferry building, foot Second street, Newburgh, N. Y. Export office, care of Emmons & Roberts, 626 West Fifty-second street, New York. Building brick.

The Martin Dennis Company, 859 Summer avenue, Newark, N. J. Chemical specialties.

Denny-Renton Clay and Coal Company, 1007 Hoge building, Seattle, Wash. Paving, building, fire and acid brick; architectural terra cotta and electric conduit. Foreign agent: Evans, Coleman & Evans, Ltd., Vancouver and Victoria, British Columbia. Cable address, "Drenco," Seattle. Code, Western Union.

The Dent Hardware Company, Fullerton, Pa. Refrigerator hardware, hardware specialties, iron toys. Cable address, "Deneka," Fullerton. Code, Western Union.

The Dentists' Supply Company, 220 West Forty-second street, New York. Artificial teeth. Jobbers of dentists' supplies. Foreign agent, De Trey & Co., Ltd., 12-14 Denman street, Piccadilly Circus, London, England. Cable address, "Dentalina," New York. Codes, Western Union and A B C.

The Denver Engineering Works Company, Thirtieth and Blake streets, Denver, Colo. Mining and milling machinery, crushers, ovoca classifiers,

mine cages and skips, mine timber framing machines, Richards' pulsator classifiers, jigs and placer jigs, stamp mills, sample grinders, automatic samplers, mechanical roasters and dryers and "Dewco" electric hoists, crushing rolls, ball mills and tube mills. Foreign agents: Takata & Co., 50 Church street, New York and Tokio, Japan; N. Guthridge, Ltd., Sydney, Australia; Fraser & Chalmers, Ltd., London, England; American Steel Export Co., Woolworth building, New York; W. R. Grace & Co., New York; International Machinery Co., Santiago, Chile; Victor M. Braschi Machinery Co., Mexico City; Herbert Ainsworth, Johannesburg, South Africa. Cable address, "Shepring." Denver. Codes, Western Union, New Business, Bedford McNeil and A B C Fourth edition.

The Denver Rock Drill Manufacturing Company, Eighteenth and Blake streets, Denver, Colo. Export offices at 30 Church street, New York and San Francisco, Cal. Rock drills, drill sharpeners, air meters, electric rock drills and all rock drilling accessories. Jobbers of drill steel and air hose. Foreign agents: The Denver Rock Drill and Manufacturing Co., Ltd., Johannesburg, South Africa; The Canadian Rock Drill Co., Ltd., Toronto, Ont. and Nelson, British Columbia, Canada; Turner & Leonard, Melbourne, Australia; The Worthington Pump Co., Ltd., Petrograd, Russia. Cable address, "Rockdrill." Denver. Codes, Simplex, Western Union, Bedford McNeil and New Business.

D. G. Dery, Allentown National Bank building, Allentown, Pa. Export office, 381 Fourth avenue, New York. Wide dress silks, taffeta in black and colors, messalines, satin duchesse, peau de soie, peau de cygne, crepe de chine and all crepe weaves, linings and all sleeve linings.

Detroit Automatic Scale Company, 608 Woodward avenue, Detroit, Mich. Computing scales. Cable address, "Stimscale," Detroit. Code, Western Union.

Detroit Copper and Brass Rolling Mills, Detroit, Mich. Copper, brass and bronze in plates, sheets, wire, rods, bars, seamless and brazed tubing.

Detroit Fuse and Manufacturing Company, 1400 Rivard street, Detroit, Mich. Electric fuses.

Detroit Gear and Machine Company, 127 Franklin street, Detroit, Mich. Transmissions, transmission gears and clutches.

Detroit Insulated Wire Company, Wesson avenue and Albert street, Detroit, Mich. Rubber insulated wire of all descriptions. Cable address, "Detinswico," Detroit. Code, Western Union.

Detroit Lubricator Company, Trumbull avenue and Grand Trunk railroad, Detroit, Mich. New York agent, Pierson Van Kirk, Cornell Club. Packless radiator valves, force feed oilers, lubricators, locomotive specialties and boiler trimmings, all sold under the trade name "Detroit"; "Stewart" carburetors; grease cups, air cocks, gauge cocks and water gauges. Cable address, "Deluco," Detroit.

Detroit Oak Belting Company, 266 Wight street, Detroit, Mich. New York office, 320 Broadway. Leather belting. Foreign agent: Gaston E. Marbaix, 4 Lloyds avenue, London, E. C., England. Cable address, "Oakbelt," Detroit. Codes, Lieber's, A B C Fifth edition and private.

Detroit Pressed Steel Company, 1800 Mount Elliott avenue, Detroit, Mich. Pressed steel automobile frames, heavy stampings and wheels.

Detroit Screw Works, Franklin and Riopelle streets, Detroit, Mich. Automobile parts, axle parts, bolts and nuts, collar screws, coupling bolts, emery wheel dressers, motor parts, cups and cones, studs, washers, cap and machine screws, set and special screws.

Detroit Seamless Steel Tubes Company, 841 West Jefferson avenue, Detroit, Mich. Seamless steel tubes.

Detroit Steel Casting Company, 1243 Michigan avenue, Detroit, Mich. New York office, 30 Church street. Steel castings of all kinds from 5 ounces to 20 tons, including car work, locomotive work, light and heavy machinery. Cable address, "Locospring," Detroit. Code, Western Union.

Detroit Steel Products Company, 2250 East Grand boulevard, Detroit, Mich. New York office, 30 East Forty-second street. "Fenestra" steel sash, steel doors and steel partitions; "Detroit" springs; "Harvey" railroad springs; "Lumina" steel sash for foreign trade. Foreign agents: G. Taylor & Co., Buenos Aires, Argentina; Lane & Son, Havana, Cuba; Purdy Engineering Co., San Jose, Costa Rica; G. S. Gensen, Shanghai, China.

Detroit Stove Works, 1360 Jefferson avenue, Detroit, Mich. Coal and wood stoves, gas stoves, furnaces.

Detroit Sulphite Pulp and Paper Co., 2607 Jefferson avenue West, Detroit, Mich. Cylinder, fourdrinier and machine glazed papers. Cable address, "Sulphite," Detroit. Code, Western Union.

Detroit Twist Drill Company, Fort and Fourteenth streets, Detroit, Mich. New York office, 30 Church street. Carbon and high speed drills, reamers and milling cutters; sockets; sleeves; arbors; mandrels; counterbores and carbon and high speed special tools. Jobbers of high speed and carbon taps and slitting saws. Foreign agents: B. Crocker Smith, Melbourne, Australia; Gaston E. Marbaix, London, England, for Continental Europe; Selson Engineering Co., 83 Queen Victoria street, and Lambeth hill, London, England, for Great Britain; W. J. Kingsland, 21 State street, New York, for South America, Mexico and Philippine Islands.

Thomas Develon, Jr., Hancock street and Lehigh avenue, Philadelphia, Pa. Wilton and Brussels rugs.

The De Vilbiss Manufacturing Company, 1302 Door street, Toledo, Ohio. Atomizers, perfumizers and Aeron system for applying paints, etc. Foreign branches: 71 Newman street, Oxford street, London, W., England, and Windsor, Ontario, Canada. Foreign agent: A. W. Dawson, 63 Pitt street, Sydney, Australia.

The De Vinne Press, 395 Lafayette street, New York. Printers.

Thomas Devlin Manufacturing Company, Third street and Lehigh avenue, Philadelphia, Pa. Malleable iron fittings for steam, gas and water; saddlery, carriage, wagon, marine, builders' and miscellaneous hardware; malleable, soft gray iron, brass and steel castings to order. Cable address, "Gravelin," Philadelphia. Code, Western Union.

F. W. Devoe & C. T. Raynolds Company, 101 Fulton street, New York. Paints, varnishes and brushes and artists' materials of all kinds. Cable address, "Telphil," New York. Code, A B C.

Dexter Sulphite Pulp and Paper Company, Dexter, N. Y. "Mitscherlich" sulphite fibre, high grade fibre wrappings, grocer and millinery bags. Cable address, "Sulphite," Dexter, N. Y. Code, Western Union.

Dexter Yarn Company, 48 Broadway, Pawtucket, R. I. Export agents, De Gropf & Palmer, 881 Broadway, New York. Cotton yarns, knitting, darning, crochet, embroidery, Macramé and cable yarns.

Diamond Chain and Manufacturing Company, 241 West Georgia street, Indianapolis, Ind. New York agent, R. M. Barwise, Machinery Club, 50 Church street. Steel, roller and block type chain for power transmission. Foreign agents: International Manufacturers' Sales Co., Moscow, Russia; Acme Cycle Co., Melbourne, Australia; A. Kuhn, Sonneggstr. 74, Zurich, Switzerland. Cable address, "Chain," Indianapolis. Codes, A B C Fourth and Fifth editions and Western Union Universal.

Diamond Crystal Salt Company, St. Clair, Mich. "Diamond Crystal" shaker and table salt and "Diamond Flake" butter and cheese salt. Cable address, "Diamond," St. Clair, Mich. Code, Western Union.

Diamond Iron Works, Minneapolis, Minn. Saw mill machinery, grain elevator machinery, flour mill machinery, transmission machinery, oil engines and rotary wood chippers. Cable address, "Diamiron," Minneapolis. Code, Western Union.

Diamond Saw and Stamping Works, 357 Seventh street, Buffalo, N. Y. "Sterling" hack saw blades, frames and power hack saw machines, emery wheel dresser handles and cutters. Foreign agents: For England, John G. Rollins & Sons, 15 Whitehall street, New York, and 124 Holborn, E. C., London, England; for France, Belgium and Holland, R. S. Stokvis & Zonen, 17 Battery place, New York, and Rotterdam, Holland; for Australia, Edwin Wood Pty., Ltd., 231 Elizabeth street, Melbourne, Australia; for the Far East, India, China and Japan, Muller, Maclean & Co., 11 Broadway, New York. Cable address, "Diamond," Buffalo. Codes, Lieber's, Western Union and A B C Fifth edition.

Diamond State Fibre Company, Bridgeport, Pa. New York office, 41 Union square. Vulcanized fibre in sheets, rods, tubes and special shapes; "Condensite-Cellulac," insulating papers and boards; counter boards; fibre innersoling; glassine paper; vegetable parchment paper; "Celluleather"; fibre waste baskets and chair seats. Foreign agent: Diamond State Fibre Co., 57 Old street, London, E. C., England. Cable address, "Dymnfyler," Norristown, Pa.

A. B. Dick Company, 736 West Jackson boulevard, Chicago, Ill. New York office, 15 Murray street. Edison-Dick mimeographs and supplies for same. Cable address, "Dick," Chicago. Code, A B C Fifth edition.

Charles H. Dickey & Company, Guilford avenue and Saratoga street, Baltimore, Md. Gas meters, station meters, meter provers. Cable address, "Mymet," Baltimore.

W. J. Dickey & Sons, Inc., Oella, Baltimore County, Md. New York office, 25 Madison avenue. Carded woolens for men's wear, kerseys, cheviots, cassimeres, etc. Cable address, "Yekcid," Ellicott City.

W. S. Dickey Clay Manufacturing Company, 217 New York Life building, Kansas City, Mo. Sewer pipe, vitrified and salt glazed; fire clay flue lining; vitrified silos, hollow building tile, farm drain tile and other clay products.

Didier-March Company, Box 327, Perth Amboy, N. J. Fire brick, carborundum brick, insulating brick and gas retorts. Cable address, "Didmar," Perth Amboy, N. J. Code, Western Union.

The Ferdinand Dieckmann Company, Cincinnati, Ohio. Conductor elbows and shoes, tin and galvanized speaking tube and fittings.

The J. F. Dietz Company, 4851 Spring Grove avenue, Cincinnati, Ohio. Office desks. Cable address, "Favorite," Cincinnati. Codes, A B C and Lieber's.

R. E. Dietz Company, 60 Laight street, New York. Lanterns and motor car lamps. Foreign agents: Strong & Trowbridge Co., Audrey House, Ely place, E. C. London, England; Elliott & Co., 12 Clive row, Calcutta, India; W. H. Brady & Co., Royal Insurance building, Bombay, India; Charles A. Pope, Avenida de Mayo, 1364, Buenos Aires, Argentina; J. A. Vazquez, Havana, Cuba; Ernesto F. Rodriquez, San Juan, P. R.; E. & A. Youldon, Johannesburg, South Africa; H. Kettles Roy, Nairobi, East Africa. Cable address, "Dietz," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

The Dikeman Manufacturing Company, 20 Knight street, Norwalk, Conn. The "Dikeman" all steel saw filing vise, floor and cabinet scrapers, plumb-bobs, hack saw frames and blades, coping saws, frames and blades, hollow handle tool sets, hand vises, peg and sewing hafts, pipe vises, chain drilling attachments, scraper blades, tee handle tap wrenches, ratchet tap wrenches.

Dill & Collins Company, 140 North Sixth street, Philadelphia, Pa. New York office, 419 Lafayette street. High grade printing papers, machine finished and supercalendered in white and colors; coated book and coated lithograph paper in white and colors; sulphite writing, envelope and bond paper; paper specialties and soda pulp. Cable address, "Philcol," Philadelphia. Code, A B C Fifth edition.

D. M. Dillon Steam Boiler Works, Fitchburg, Mass. New York office, 30 Church street. Horizontal return tubular, Manning and plain upright, marine internal furnace and locomotive type boilers; rotary bleaching boilers; bleaching kiers; tanks; penstocks; steel smoke stacks and flues; vulcanizers and heavy sheet metal work. Jobbers of boiler tubes, stationary and shaking grates, fire brick blocks molded to special shapes, safety, water and steam valves; water columns and gauge cocks.

Dilworth, Porter & Company, Inc., Fourth and Bingham streets, South Side, Pittsburgh, Pa. New York office, 260 West street. Tie plates and spikes.

Henry Disston & Sons, Inc., Tacony, Philadelphia, Pa. Export office, 302 Broadway, New York. Saws of all kinds, files and rasps, plumbs and levels, squares, bevels, marking gauges, trowels (masons', plastering), screwdrivers, machine knives, paper knives, veneer knives, etc., steel and tools. Cable address, "Disston," Philadelphia. Codes, A B C Fourth and Fifth editions, Western Union and Lieber's.

Joseph Dixon Crucible Company, Wayne and Monmouth street, Jersey City, N. J. Export office, 68 Reade street, New York. Plumbago, graphite crucibles of all kinds, sand crucibles, graphite lubricants of all kinds, pencils, silica-graphite paint, automobile lubricants, stove polish, graphite brushes for commutators, graphite specialties, paste and solid belt dressing. Foreign agents: Graphite Products, Ltd., 218 Queen's road, Battersea, London, England; Alfredo J. Eichler, 666 Calle Cangallo, Buenos Aires, Argentina; Wm. Croft, Room 424 Lonja building, Havana, Cuba; H. Clyde Gregory, Royal Bank building, San Juan, P. R.; A. R. MacDougall & Co., 266 King street West, Toronto, and Canadian Asbestos Co., Montreal, Canada. Cable address, "Graphite," Jersey City. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Dodge Brothers, 1678 Jos. Campau avenue, Detroit, Mich. Automobiles.

Dodge Manufacturing Company, Mishawaka, Ind. Export office, 21 Murray street, New York. Machinery for the mechanical transmission of power, pulleys, hangers, shafting, clutches, rope drives and water softeners. Cable address, "Dodmanco," Mishawaka. Codes, Lieber's and A B C.

Dodge & Bliss Company, West Side avenue, Jersey City, N. J. Wooden packing boxes and box shooks. Cable address, "Dodgerapp," Jersey City. Codes, A B C and Western Union.

Dodge & Olcott Company, 87 Fulton street, New York. Essential oils, drugs, fine chemicals for flavoring and perfumery purposes. Jobbers of vanilla beans, flavoring and perfumery raw materials. Branch office, 20 Mark lane, London, E. C., England.

Dodson, Fisher, Brockmann Company, 15 North Third street, Minneapolis, Minn. Harness, horse collars, riding saddles and men's belts. Jobbers of harness and sole leather, saddlery hardware, harness makers' tools, horse blankets, fly nets and horse covers.

Doehler Die-Casting Company, Court and Ninth street, Brooklyn, N. Y. Die-castings in zinc, tin, lead and aluminum alloys; brass-back babbitt-lined bearings. Cable address, "Doehler," Brooklyn. Codes, Western Union and A B C.

Doernbecher Manufacturing Company, East Twenty-eighth street and the O. W. R. & N. tracks, Portland, Ore. Dressers, chiffoniers, dressing tables, beds, bedroom tables, commodes, grip stands, desks, cheval mirrors, extension tables, buffets, china closets, side tables and bookcases.

The Doherty & Wadsworth Company, Paterson, N. J. New York office, Fourth avenue and Twenty-first street. Dress and tie silks.

Henry Doherty Silk Company, 38 East Twenty-fifth street, New York. Plain broad silks in the piece.

Estate of W. S. Doig, 54 Franklin street, Brooklyn, N. Y. Box nailing machinery and machines for driving corrugated fasteners. Cable address, "Doig," Brooklyn. Code, A B C Fifth edition.

Jacob Dold Packing Company, 745 William street, Buffalo, N. Y. Brooklyn office, 1204 Metz street. Beef and pork packers, glues, lard oils, cutting oils and case hardening bone. Foreign branch: Liverpool, England. Cable address, "Doldqual," Buffalo.

The C. B. Dolge Company, Westport, Conn. Liquid disinfectants: oderless, perfumed and coal tar; liquid soap and soap dispensers; weed killer; formaldehyde disinfecting candles; "Dolge Bowl Kleaneasie"; "Dolge Pipe Kleaneasie"; "Dolge Motholine" for the destruction of moths; "Betaform," a liquid roach and bed bug destroyer; roach food, a poisonous roach powder; "Lustra Oil," a furniture and floor polish combined; "Oil Spray," a floor oil and furniture polish applied with a sprayer; "Dustalaher," sweeping compound; toilet preparations as follows: "Fragrine," a deodorizing toilet spray; "Healine," a liquid for cuts and abrasion; "Oto," a mouth wash; "Biosote," a liquid court plaster. Cable address, "Esco," Westport.

Jacob Doll & Sons, Inc., 98 Southern boulevard, New York. Pianos.

The Dolly Varden Company, 411 Laurel street, Cincinnati, Ohio. Chocolate manufacturers.

Dolphin Jute Mills, Spruce street, Paterson, N. J. Jute twines, yarns and cordage.

Donmeyer Gardener Company, 210 Eaton street, Peoria, Ill. Flour, low grade bran and middlings.

R. R. Donnelley & Sons Company, 731 Plymouth court, Chicago, Ill. Books, catalogs, etc. Cable address, "Lakeside," Chicago.

Donner & Company, Polk and Clover streets, Newark, N. J. New York office, 23 Washington place. Hatters' furs. Cable address, "Doriodon," Newark. Codes, Lieber's, A B C and Western Union.

M. A. Donohue & Company, 707 Dearborn street, Chicago, Ill. New York office, 381 Fourth avenue. Books.

C. Dorflinger & Sons, 36 Murray street, New York. Plain, etched, engraved and cut table glassware.

The Dormer Brothers Company, southeast corner of Fifth and Sycamore streets, Cincinnati, Ohio. New York agent, John M. Given, Inc., 74 Leonard street, New York. Woolen hosiery.

Dornan Brothers, Howard and Oxford streets, Philadelphia, Pa. Carpets, rugs and carpet yarns. Cable address, "Dornan," Philadelphia.

Doscher Brothers, 9 West Canal street, Cincinnati, Ohio. Confectionery.

Double Fabric Tire Company, Auburn, Ind. Automobile tires, tire reinforcements and "Interlock" inner tubes.

Douglas Company, Cedar Rapids, Iowa. Corn starches, corn gluten food and refined corn oil. Foreign agents: Jas. L. Turnbull & Co., 11 Coldhall street, Liverpool, England; O. Murray & Co., Ltd., 63 Grace Church street, London, England; J. A. Boks, 425 Marnixstraat, Amsterdam, Holland; Otto Madsen, Copenhagen, Denmark. Cable address, "Douglas," Cedar Rapids, Iowa. Codes, Riverside, Lieber's and private.

The John Douglas Company, Carthage, Cincinnati, Ohio. Complete line of sanitary fixtures, water closet fixtures complete, vitreous china sanitary ware, shower baths, drinking fountains and china wash basins.

Dow Wire and Iron Works, Louisville, Ky. Gravity and power conveyors; iron beds for hospitals and furniture trade; iron fences, ornamental railings, grills, etc.

R. J. Dowd Knife Works, Beloit, Wis. Machine knives for paper mills; woodworking, sheet metal, tanning and paper cutting machinery. Cable address, "Dowd," Beloit. Codes, Western Union and Lieber's.

R. H. Downman, 1003 Hibernia Bank building, New Orleans, La. Red cypress lumber, shingles and lath; cypress sash, doors, blinds and interior finish; cypress tanks. Code, American Lumberman's Telecode.

Drake Brothers Company, 77 Clinton avenue, Brooklyn, N. Y. Pound cake, package cake, fruit cake and macaroons.

The Drake Coal Company, 914 Rockefeller building, Cleveland, Ohio. Coal.

Dreicer & Company, 560 Fifth avenue, New York. Jewels. Cable address, "Dreicer," New York. Code, A B C Fifth edition.

Driver-Harris Wire Company, Harrison (Newark), N. J. Post office address, Box 206, Newark, N. J. "Nichrome" castings (non-corroding, heat resisting, non-oxidizing); pure nickel, nickel alloys in wires, rods, sheets and strips, including "Nichrome," "Advance," "Climax," "193 Alloy," "Therlo," "Yankee Silver" brands; spark plug wires; monel wire and strip; brass, bronze and phosphor bronze weaving wire; flexible heater cord; stranded wire; braided wire; small sized wire for tiller ropes and sash cords in iron galvanized, bronze, phosphor bronze and monel metal. Foreign agent: Drennan & Cooper, Gaythorne Mills, Albion street, Manchester, England. Cable address, "Driver," Newark.

The Drop Forging Company of New York, West Side avenue and Fisk street, Jersey City, N. J. Drop forgings for all machine and tool work, chain pipe wrenches, all steel hammers. Code, Lieber's.

Duckworth Chain and Manufacturing Company, 41 Mill street, Springfield, Mass. Cycle chains.

G. A. Duerler Manufacturing Company, San Antonio, Texas. Shelled pecans or pecan meats. Cable address, "Pecannut," San Antonio. Code, Western Union.

The Duff Manufacturing Company, North Side, Pittsburgh, Pa. New York office, 50 Church street. Jacks: lifting, railroad track, automobile and motor truck, high speed ball bearing screw, and hydraulic; trench braces; lathes and special machined parts. Foreign agents: J. de Severy, 11 rue Belzunce, Paris, France; Fairbanks, Morse & Co., 87 Southwark street, London, England; Donnell & Palmer, Buenos Aires, Argentina. Cable address, "Leverjack," Pittsburgh. Codes, Western Union and Lieber's.

J. H. Duker Box Company, Eden and Aliceanna streets, Baltimore, Md. Wooden packing boxes and box shooks.

Otto Duker & Company, Albermarle and Fleet streets, Baltimore, Md. Millwork of all kinds, rough and dressed yellow and North Carolina pine; frames, sash, doors, blinds, mouldings, interior finish in hardwoods, any kind of woodwork entering into the construction of a building.

Duluth Corrugating and Roofing Company, South First avenue east and Sutphin street, Duluth, Minn. Steel ceilings, skylights and cornices, ventilators, stall partitions, garages, grain bins, grain scoops, stock tanks, stock tank heaters, refuse burners, air-tight stoves, gas and gasoline stove ovens, rural mail boxes and culverts.

Duncan Electric Manufacturing Company, Third and Mechanic streets, Lafayette, Ind. "Duncan" watthour meters, house type, switchboard type and portable test type for both direct and alternating currents; "Duncan" distributing and transmission transformers; "Duncan" current and voltage transformers. Foreign agents: Western Electric Co., Cassilla de Correo 49, Buenos Aires, Argentina; Vallet, Fiol y Cia., S. en C., Apartado de Correos 467, Barcelona, Spain; Siemens-China Electrical Engineering Co., 12 Des Voex Road, Hong Kong, China. Cable address, "Duncan," Lafayette, Ind. Codes, Western Union and Lieber's.

Duncan Foundry and Machine Works, Piasa street, Alton, Ill. Mining cars, screens, fans, cages, chain grate stokers; general mining machinery; castings and wheels.

Dundee Textile Company, Passaic, N. J. New York office, 354 Fourth avenue. Silk and silk mixed goods. Cable address, "Ednud," Passaic. Code, Lieber's.

Dungan, Hood & Company, Inc., 240 West Susquehanna avenue, Philadelphia, Pa. Glazed kid leather in black and colors. Cable address, "Dunhood," Philadelphia. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and Tybo.

Dunlap Printing Company, 1315 Cherry street, Philadelphia, Pa. Printers and binders.

Dunlevy Packing Company, Hamilton and Enterprise streets, Pittsburgh, Pa. General packers of beef and pork products which are not canned but cured and shipped open. Code, Cross.

John Dunlop's Sons, 254 Fourth avenue, New York. Organzine, tram and silk yarns.

Dunn Worsted Mills, Woonsocket, R. I. New York office, 257 Fourth avenue. Worsted goods for men's wear.

Duquesne Reduction Company, Pittsburgh, Pa. Smelters and refiners of metals.

Duquesne Steel Foundry Company, Arrott building, Pittsburgh, Pa. Steel castings. Cable address, "Duquesne," Pittsburgh. Code, Western Union.

Durand & Company, 49 Franklin street, Newark, N. J. 14-kt. gold, 18-kt. gold, platinum and diamond jewelry; specialties, lorgnettes, mouchoir bags, brooches, scarf pins, link sleeve buttons, seal rings. Foreign agent: F. A. Jeanne, 5 Square de L'Opera, Paris, France. Cable address, "Durand," Newark. Code, Western Union.

The Duratex Company, 768 Frelinghuysen avenue, Newark, N. J. "Duratex" for automobile upholstering.

Charles D. Durkee & Company, 2 South street, New York. Marine hardware.

E. R. Durkee & Company, 534 Washington street, New York. Ground spices, flavoring extracts, salad dressing, "Challenge" table sauce, curry powder, celery salt, edible corn starch in packages. Cable address, "Durkee." New York. Codes, Lieber's and A B C Fifth edition.

Dutchess Tool Company, Beacon, N. Y. Dough handling machinery.

Eagle Cordage Mills, Inc., Sixteenth and Russell streets, Covington, Ky. Fine and coarse jute and hemp twines; tarred marlines; houseline, etc.;

jute gasket packings, plain and tarred; American and Italian packings, plain and tallowed.

Eagle Lock Company, Terryville, Conn. Export office, 105 Chambers street, New York. Padlocks, trunk locks, night latches. Cable address, "Eaglock," New York. Code, Western Union.

The Eagle Manufacturing Company, Blue Rock and Turrill streets and C. H. & D. railroad, Cincinnati, Ohio. Screw machine products; lathe, drill press, planer and milling machine work; tools; dies and formers; sheet metal stampings; metal drawings and spinnings; special machinery; wire work; wood and metal patterns; plating, oxidizing and enameling; designing, sample and model-making; developing, drafting, tracing and blueprints. Cable address, "Etco," Cincinnati. Codes, A B C Fourth edition, Western Union and Postal.

The Eagle-Picher Lead Company, 101 Park avenue, New York. Sublimed white lead (basic lead sulphate), "Old Dutch Process" corroded white lead (basic lead carbonate), litharge, red lead, orange mineral, both red and white lead in oil, spelter and pig lead. Cable address, "Picherlead," New York.

Eagle Roller Mill Company, New Ulm, Minn. New York office, A120 Produce Exchange. Wheat flour, rye flour and corn meal. Cable address, "Eagle," New Ulm. Codes, A B C, Lieber's, Western Union and Riverside.

J. H. & C. K. Eagle, 257 Fourth avenue, New York. Silk. Cable address, "Eaglesilk," New York. Code, A B C.

Earl & Wilson, Troy, N. Y. Export office, 33 East Seventeenth street, New York. Collars, cuffs and shirts.

The East Iron and Machine Company, Lima, Ohio. "Merriman" portable one car steam heated double kettle asphalt plants, portable road steam heated asphalt plants; all kinds of structural work, including jails and fabricated building structure; building structural materials; automatic cartridge making machinery; special machinery and gray iron castings.

Eastern Machine Screw Corporation, Truman and Barclay streets, New Haven, Conn. Screw machine products, self-opening, automatic die heads and threading machines. Foreign agents: Goodchild & MacNab, London, England.

The Eastern Machinery Company, New Haven, Conn. Electric passenger and freight elevators, friction clutch pulleys, soft clay brick machines. Cable address, "Eastmacho," New Haven. Code, Western Union.

The Eastern Malleable Iron Company, Naugatuck, Conn. Castings: gray iron, refined air furnace malleable iron, semi-steel, malleable iron car; malleable iron brackets for transmission lines; malleable iron wheel hub bands; malleable iron anti-friction bearings; rail joints, rail braces and draw bar attachments, all of malleable iron; malleable iron washers and tank and silo lugs.

Eastern Tanners Glue Company, Gowanda, N. Y. Glue, grease and hair tankage.

Eastman Kodak Company, 343 State street, Rochester, N. Y. New York office, 237 West Twenty-third street. Complete line of photographic goods and cinematograph film. Foreign agents: Kodak, Ltd., Kingsway, W. C., London, England; Kodak, S. A., Place de l'Opera 5, Paris, France; Kodak, Lt., Bolschaia Konuschennaia 19, Petrograd, Russia; Kodak Argentina, Lt., Lavalle 746, Buenos Aires, Argentina. Cable address, "Kodak," Rochester. Codes, A B C Fourth, Fifth and Five Letter editions, Western Union and Lieber's.

Easton & Burnham Machine Company, Pine and Conant streets, Pawtucket, R. I. Spindles, upright bobbin spoolers, skein winders, reels and automatic banding machines.

Benjamin Eastwood Company, 300 Straight street, Paterson, N. J. Silk machinery for every process: looms, winders, warpers, twillers, iron and brass castings; shafting, hangers, collars, couplings, pulleys, all kinds of power transmissions.

Eaton, Crane & Pike Company, 75 South Church street, Pittsfield, Mass. New York office, 225 Fifth avenue. Fine stationery for social and commercial use. Export agent for Latin-American countries, National Paper and Type Co., 31 Burling slip, New York. Cable address, "Notaepaper," Pittsfield.

The Eaton-Dikeman Company, Railroad street, Lee, Berkshire county, Mass. Export agents, Parsons Trading Company, 17 Battery place, New York. Blotting paper, matrix, filter and all grades of absorbent papers.

Charles A. Eaton Company, 147 Centre street Brockton, Mass. Men's Goodyear welt shoes. Code, Western Union.

J. Eavenson & Sons, Inc., Delaware avenue and Penn street, Camden, N. J. Household, toilet, laundry, textile and automobile soap. Cable address, "Eavenson," Camden.

John Ebberts Shoe Company, 201 Clinton street, Buffalo, N. Y. Women's boots and shoes.

The Eberhard Manufacturing Company, 2734 Tennyson road, Cleveland, Ohio. Hardware for the automobile, carriage and wagon manufacturing trade, and saddlery hardware. Cable address, "Champney," Cleveland. Code, International Cable Register.

Eckfeldt & Ackley, 98 Murray street, Newark, N. J. High-grade 14-kt. goods only; lockets, link buttons, bracelets and bangles, small toilet accessories of all kinds.

Eclipse Box and Lumber Company, 425 Greenpoint avenue, Brooklyn, N. Y. Wooden boxes and lumber.

Eddy Valve Company, Waterford, N. Y. New York office, 2 Rector street. Gate valves, check valves, foot valves, fire hydrants and sluice gates. Cable address, "Eddvalve," New York. Codes, A B C Fifth edition and private.

D. Eddy & Sons Company, 336 Adams street, Dorchester District, Boston, Mass. Refrigerators. Foreign agents: J. C. Plimpton & Co., Old Hall street, Liverpool, England; T. E. Thomson & Co., Calcutta, India; T. H. Davies & Co., Honolulu, H. I. Cable address, "Refrigerio," Boston. Code, Western Union.

The Eddystone Manufacturing Company, 72 Leonard street, New York. Cotton draperies and wash goods, printed and in plain shades; cotton dressgoods, calicos; custom work printing and designing.

Edge Moor Iron Company, Edge Moor, Del. Export office, 111 Broadway, New York. Water tube boilers and soot blowers for same. Foreign agents: Sugar Factories Construction and Equipment Corporation, Havana, Cuba. Cable address, "Edgemoor," Wilmington. Code, New Business.

W. C. Edge Jewelry Company, 480 Washington street, Newark, N. J. Gold chains and bracelets.

Thomas A. Edison, Inc., Orange, N. J. Edison Diamond disc and Edison Amberola cylinder phonographs and records, Edison dictating machines, Edison primary and storage batteries, Edison moving picture films, and "Bates" hand numbering machines. Cable address, "Zymotic," New York. Codes, Western Union, Lieber's and A B C Fourth and Fifth editions.

---

to manufacturers whose names are given in this book.

Edmunds & Jones Corporation, 436 Lawton avenue, Detroit, Mich. Lamps for motor boats, carriages and trucks and automobile lamps. Code, private.

Edson Manufacturing Company, 257 Atlantic avenue, Boston Mass. Pumps: diaphragm, hand, gasoline power driven, marine and mine; steering wheels and hand steering gears; bottle filling machinery; diaphragms, rubber hose and suction hose. Cable address, "Diaphragm," Boston. Codes, Western Union, A B C Fourth and Fifth editions and Lieber's.

The Edwards Manufacturing Company, Inc., Eggleston avenue Fourth to Fifth streets, Cincinnati, Ohio. New York office, 81 Fulton street. Metal ceilings and walls, metal shingles and Spanish tile, metal lockers and shelving, metal cornices and lath; corrugated iron roofing and siding; skylights, ventilators; rolling steel doors, shutters and partitions; metal garages, portable steel buildings; cellular metal and keyridge, fireproof reinforcement for floors, ceilings and walls; steel trucks; oil and gasoline cans; auto oilers; automatic repeating paper cap pistols, and "No-Key" padlocks. Cable address, "Edmanco," Cincinnati. Codes, A B C Fifth edition and Western Union.

F. Eggers Veneer Seating Company, Two Rivers, Wis. Built-up veneers, panels, bent work, etc.

The Egry Register Company, 417 East Monument avenue, Dayton, Ohio. New York agency, 1062 Woolworth building. Autographic registers, manifolding registers, roll paper manifolding attachments for typewriters, printed and plain paper rolls. Jobbers of carbon paper rolls, teamster holders and automatic post binders. Cable address, "Egrydayton," Dayton. Code, Western Union.

John Eichleay, Jr., Company, South Twentieth and Wharton streets, Pittsburgh, Pa. Steel structures and all kinds of house raising and moving. Jobbers of scrap iron and steel.

A. Eichler & Company, 1736 North Mascher street, Philadelphia, Pa. Dyers and finishers.

Eimer & Amend, Third avenue, Eighteenth to Nineteenth streets, New York. Industrial and educational laboratory apparatus; apparatus for testing cement, coal, milk, oil, paper, sugar and hardness; apparatus for analyzing gas and soil; apparatus for sulphur determination, physical chemical work and blow piping; assay apparatus; bacteriological apparatus; laboratory balances and weights; distilling apparatus, including water stills; combustion apparatus; extraction apparatus; bottles, glassware for laboratories and glassware for special work to order; automatically controlled, electrically and gas heated ovens and incubators; microscopes, hydrometers, hygrometers, calorimeters, colorimeters, photometers, polariscopes, pyrometers, radiometers, refractometers, thermometers, viscosimeters, spectroscopes; rubber goods, silica ware, porcelain ware and metal ware for laboratory requirements; Wysor polishing machines; nitrogen testing apparatus, nitrometer and Kjeldahl apparatus; crushers and pulverizers; vacuum pumps; carboy inclinators; filter paper; combustion, crucible and muffle, gas or electrically heated furnaces; herbs, drugs, radium, chemicals and chemical reagents.

Otto Eisenlohr & Brothers, Inc., 932 Market street, Philadelphia, Pa. Cigars. Cable address, "Eisenlohr," Philadelphia. Code, Western Union.

J. Eisner & Company, 84 Fifth avenue, New York. Men's clothing, suits, trousers, overcoats, etc.

The Elbel Company, 824 Mulberry road, S. E., Canton, Ohio. Export agents, C. K. Turner & Son, 116 Broad street, New York. Saddlery hardware; a full line of harness trimmings, such as iron hames, bridle bits, riding stirrups, riding spurs, buckles, rings, etc. Cable address, "Elbel," Canton. Code, Directory.

The Electric Controller and Manufacturing Company, Cleveland, Ohio. New York office, 50 Church street. Automatic controllers and starters; crane controllers, lifting magnets, electric brakes and solenoids. Foreign agents: W. P. Robinson, Toronto, Canada; Noyes Bros., Sydney, Australia. Cable address "Controller," Cleveland. Code, Western Union.

Electric Hose and Rubber Company, Wilmington, Del. New York office, 165 Chambers street. Rubber hose exclusively. Foreign agents: Electric Hose and Rubber Co. Ltd., Caxton house, Westminster, London, S. W., England; Transvaal Rubber Co., Castle Mansions, Eloff street, Johannesburg, South Africa; Milton E. Springer Co., Plaza Santa Cruz, Manila, P. I.; Albert Singer, Batavia, Java; Child & Caldwell, Ltd., Blaisdell Block, Honolulu, H. I. Cable address, "Elechose," Wilmington. Codes, Lieber's and Western Union.

Electric Railway Euipment Company, 2900 Cormany avenue, Cincinnati, Ohio. Export office, 30 Church street, New York. Tubular steel poles for supporting tramway transmission, telegraph and telephone wires; tubular pole accessories; ornamental street lamp posts; mast arms and lamp brackets. Cable address, "Elecrail," New York. Codes, Western Union, Lieber's and A B C.

The Electric Railway Improvement Company, 2070 East Sixty-first place, Cleveland, Ohio. New York agent, Shield Electric Company, 149 Broadway. Copper rail bonds, electric weld bonding apparatus, bond shields, portable electric rail grinders, portable kerosene oil and electric furnaces. Foreign agent: C. A. Wright, Melbourne, Australia. Cable address, "Erico," Cleveland.

Electric Specialty Company, 211 South street, Stamford, Conn. Electrical machinery, fractional horse power motors, generators, dynamotors and motor generators for operating musical instruments, pumps, coffee mills, meat choppers, washing machines, bottle washers, signal systems, battery charging or any purpose. Cable address, "Esco," Stamford. Code, Western Union.

The Electric Storage Battery Company, Allegheny avenue, Eighteenth to Nineteenth streets, Philadelphia, Pa. Export office, 100 Broadway, New York. "Exide" storage batteries for lighting and power, for automobile starting, lighting and ignition, for electric vehicles, for telegraph, telephone and wireless purposes, etc. Cable address, "Elecstorba," New York. Codes, Lieber's, Western Union and A B C Fourth and Fifth editions.

Electric Wheel Company, Quincy, Ill. Light kerosene and gasoline tractors and trailers for same; trucks for mounting gas engines, concrete mixers and other machinery of any capacity and both portable and self-propelling; industrial trucking equipment; steel or wooden wagons and carts for farm and plantation use; wagons also built to order; steel and wooden wheels and axles for implements, lumber buggies, wagons, cane and log carts, traction engines or any other purpose. Cable address, "Electric," Quincy. Codes, A B C Fifth edition and Western Union.

Electro Metallurgical Company, Forty-second street building, New York. Ferro-alloys, such as ferro-chromium, ferro-silicon, etc., and other electro metallurgical products. Cable address, "Ferroalloy," New York. Codes, Western Union and Lieber's.

Elevator Supply and Repair Company, Hoboken, N. J. Elevator auxiliaries and castings; iron, brass and bronze castings.

Elgin Silver Plate Company, Elgin, Ill. Coffin and casket hardware.

Elk Tanning Company, Ridgway, Pa. New York office, 17 Battery place. Sole leather.

Ellicott Machine Corporation, 1111 Bush street, Baltimore, Md. Hydraulic dredges, marine engines and large special machinery. Cable address, "Ellnor," Baltimore. Code, Western Union.

Elliott Company, 6907 Susquehanna street, Pittsburgh, Pa. New York office, 90 West street. Twin, single and intake strainers; twin and single filters and grease extractors; vertical, horizontal and twin feed water heaters; oil appliances: purifiers, oil-water separators, gravity tanks; blow-off, reducing, float and balance valves; ammonia, oil and steam separators; receiver separators; alarm water columns. Cable address, "Cleaner," Pittsburgh. Codes, A B C Fifth edition and Lieber's.

Ellis Hosiery Company, 9 North Fifth street, Philadelphia, Pa. New York agent, H. S. Wolff & Co., 15 Whitehall street. Men's, women's and children's seamless hosiery. Cable address, "Elbros," Philadelphia.

The Elyria Iron and Steel Company, 232 East 131st street, Cleveland, Ohio. Structural steel tubing (open seam and brazed), light gauge oxy-acetylene welded steel tubing, railroad tie plates, railroad step joints, channel bar sections, hard steel angles and stone saw blades. Cable address, "Elisco," Cleveland. Code, Western Union.

Emerson-Brantingham Implement Company, Rockford, Ill. Plows: walking, frameless, express, foot lift gang and sulky, disc and engine; middle breakers; listers; harrows: U-bar, pipe bar, end rail, wood lever, flexible wood and steel, disc and engine disc harrows; harrow carts; tandem attachments; seeders; corn, cotton and potato planters; stalk cutters; cultivators: walking, disc, eight kinds of riding, and two row; spreaders; loaders; sulky rakes; sweep rakes; hay stackers; mowers; stationary and portable gas engines; drills; wagons, trucks, vehicles and auto trailers; steam traction engines; portable steam engines; grain and rice threshers; corn shellers; baling presses; saw mills; hullers; "Emerson" and "Big Four" farm tractors; steam road rollers. Cable address, "Emerson," Rockford. Codes, A B C Fifth edition, Lieber's and Western Union.

Emery-Beers Company, Inc., Broadway and Twenty-fourth street, New York. Silk, lisle and cotton "Onyx" hosiery. Selling agents of "Mérode" and "Harvard Mills" underwear and Paul Guenther, Inc., full fashioned silk hosiery. Foreign office, Paris, France.

E. W. Emery Company, 246 Fifth avenue, New York. Clothing for men, sold at retail. Cable address, "Emeryeu," New York. Codes, International and Marconi Wireless.

Arthur Emmerich, 23 East Twenty-sixth street, New York. Thrown silk.

Empire Coal and Coke Company, Landgraff, W. Va. Export agent, William C. Atwater & Co., 1 Broadway, New York. Coke and mine coal.

The Empire Rolling Mill Company, Bessemer street, Cleveland, Ohio. Bar iron.

Empire Rubber and Tire Company, North Clinton avenue and Mulberry street, Trenton, N. J. Export office, 148 Chambers street, New York. Tires, tubes, belting, packing, hose, rubber bands, jar rings, rubber soles and rubber mats. Cable address, "Caucho," Trenton. Code, A B C.

Empire Silk Company, 315 Fourth avenue, New York. Dress silks, tie silks and linings.

Empire Steel and Iron Company, Catasauqua, Pa. Export office, care of Rogers, Brown & Company, 30 Church street, New York. Pig iron and iron ore. Cable address, "Empiresteel," Catasauqua, Pa. Code, Western Union.

Endurance Tire and Rubber Company, New Brunswick, N. J. Export office, 17 Battery place, New York. Automobile and motorcycle inner tubes,

automobile tires, accessories and "Enduroid," a substitute for leather. Cable address, "Randwilgh," New York. Codes, Lieber's, A B C Fifth edition and Western Union.

Engel & Kraus, 110 Fifth avenue, New York. Women's neckwear, boudoir caps and silk underwear.

The Engelberg Huller Company, 831 West Fayette street, Syracuse, N. Y. Export office, 2 Rector street, New York. Rice and coffee hulling and polishing machines and feed and meal grinding machines. Foreign agents: Fred Wilson & Co., Manila, P. I.; Marshall Sons & Co., Calcutta, India; F. Upton & Co., Sao Paulo, Brazil. Cable address, "Engelberg," Syracuse. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and private.

The England Manufacturing Company, 44 Leavitt street, Detroit, Mich. Metal stamping.

England, Walton & Co., Inc., Third and Vine streets, Philadelphia, Pa. Oak tanned belting butts, scoured backs and scoured bends; cut soles and welting. Cable address, "Unaka," Philadelphia. Code, Widebrook.

The English & Mersick Company, 154 Winchester avenue, New Haven, Conn. Automobile hardware and fittings, radiators, windshields, lamps, locks and hinges a specialty. Cable address, "Engmer," New Haven. Code, Western Union.

F. O. Engstrum Company, East Fifth and Seaton streets, Los Angeles, Cal. Contractors.

Ensign-Bickford Company, Simsbury, Conn. Safety fuse for blasting purposes, "Cordeau-Bickford" for instantaneous blasting. Jobbers of blasting caps and electric blasting caps. Cable address, "Ensign," Simsbury.

L. L. Ensworth & Son, Hartford, Conn. Heavy hardware.

Equitable Meter Company, 422 First avenue, Pittsburgh, Pa. Appliances of all kinds for natural and artificial gas, including meters, station meters, proportional meters, governors, regulators and burners. Cable address, "Emco," Pittsburgh. Code, International.

Equitable Powder Manufacturing Company, East Alton, Ill. Black blasting powder, black rifle powder and blasting caps. Jobbers of safety fuse, electric blasting caps, dynamite and blasting supplies.

Erie Car Works, Erie, Pa. Freight cars of all descriptions, forgings, castings and structural iron.

Erie City Iron Works, East avenue, Erie, Pa. Export agent, American Trading Co., New York. New York agent, C. W. McHose, 1360 Woolworth building. Engines, boilers, heaters and tanks. Cable address, "Selden," Erie. Code, Western Union.

Erie Malleable Iron Company, Erie, Pa. Malleable iron castings and automobile malleables.

Esleeck Manufacturing Company, Turners Falls, Mass. Fine thin bond and onion skin papers.

Essex Rubber Company, Inc., Trenton, N. J. New York office, 258 Broadway. "Essex" rubber heels, "Essex" rubber soles and soling, "Soft Spots" heel cushions, inner tubes and rubber accessories for automobiles and mechanical molded specialties.

Esterbrook Steel Pen Manufacturing Company, Camden, N. J. Steel and metallic pens and penholders. Foreign agents: Hazell, Watson & Viney, Ltd., 52 Long Acre, London, W. C., England; The Brown Bros., Ltd., Toronto, Canada; Muller, MacLean & Co., Inc., 11 Broadway, New York, agents for India, Burmah, Ceylon and Straits Settlements; National Paper and Type Co., 31 Burling slip, New York, agents for Mexico, South America and Cuba.

Estey Organ Company, Brattleboro, Vt. New York office, 12 West Forty-fifth street. Reed organs for homes and churches, pipe organs for churches and for residences with or without automatic player. Foreign agents: Estey Organ Co., 12 Rathbone place, Oxford street, London, England. Cable address, "Estey," Brattleboro. Codes, A B C, Western Union and private.

Eugene Woolen Mill Company, Eugene, Oregon. Woolen flannels, blankets and cassimeres.

J. P. Eustis Manufacturing Company, 12 Ames street, Cambridge, Mass. "The Brasscrafters" bath-room accessories; towel bars, paper holders, metal-framed mirrors, shower baths, medicine cabinets, soap dishes, sponge and brush holders, bath tub seats, plate glass shelves, glass shelf brackets, nickel-plated hooks. Cable address, "Brasscrafters," Boston.

Evans-Winter-Hebb, Incorporated, Woodward avenue and Erskine street, Detroit, Mich. Catalogs, direct advertising literature, sales literature, photo engraving in one or more colors, designers and artists.

C. H. Evans & Sons, Second and Mill streets, Hudson, N. Y. New York office, Twelfth avenue and Thirty-fifth street. "Evans" ale and "Evans" stout in bulk and bottles.

John R. Evans & Company, 419 Arch street, Philadelphia, Pa. Glazed kid in black and colors, mat cabaretta, chrome patent leather, gun metal calf, black and colored sheepskins, veals and sides. Cable address, "Revansco," Philadelphia. Codes, A B C, Western Union, Widebrook and Lieber's.

Richard Evans & Sons, 11 West State street, Johnstown, N. Y. Leather gloves and mittens and glove leather.

Evansville Brewing Association, 330 Fulton avenue, Evansville, Ind. Lager beer in wood and bottles.

Evansville Tool Works, Evansville, Ind. Export agents, Hendricks & Class, 30 Church street, New York. Broad axes, adzes, all kinds of hatchets, boys' and hunter axes, bush hooks, handled hammers of all kinds, sledges, heavy hammers, blacksmiths' tools and tongs. Foreign agents: E. D. Leeper Export Co., Mexico City, Mexico; J. A. Vazquez, Havana, Cuba; Hugo Lazar & Co., Johannesburg, South Africa; Alfredo Mosquera, Buenos Aires, Argentina; Richardson, Orr & Co., Melbourne, Australia. Cable address, "Toolworks," Evansville. Codes, Western Union and New Business.

Evens & Howard Fire Brick Company, 920 Market street, St. Louis, Mo. Fire brick, sewer pipe and all kindred clay goods.

Everett Pulp and Paper Company, Everett, Wash. Machine finished and supercalendered book, varnish label, chemical, railroad writing, folded writing and cartridge paper, filing sheets, tablets, composition books and school supplies. Cable addresses, "Paper," Seattle and "Snohomish," San Francisco. Codes, A 1, Western Union and private.

Everlastik, Inc., 52 Chauncy street, Boston, Mass. Export office, 395 Broadway, New York. Elastic of all kinds for suspenders, braces, garters, arm bands, shoe elastics, gores, corsets, hose, trusses and surgical purposes.

The Everwear Hosiery Company, 172 Fifth street, Milwaukee, Wis. New York office, 257 Fourth avenue. Men's, women's and children's seamless hosiery in silk, lisle, cotton and cashmere.

The Excelsior Hardware Company, Woodland avenue, Stamford, Conn. Locks for trunks, suit cases and cabinets, keys for cabinets and trunks.

Excelsior Needle Company, 59 Field street, Torrington, Conn. Export agent, C. B. Barker & Co., Ltd., 140 West 22nd street, New York. Needles for sewing machines and latch knitting, "Dayton" swaging machines and sundry hardware specialties. Foreign agents: American Supplies Co.,

Ltd., 6 City road, Finsbury square, London, E. C., England; Coventry Swaging Co., Ltd., White Friars' lane, Coventry, England; Fenwick Frères & Co., 8 Rue de Rocroy, Paris, France. Cable address, "Excelsior," Torrington. Codes, Western Union and Lieber's.

The Excelsior Shoe Company, Portsmouth, Ohio. New York office, 722 Marbridge building, Thirty-fourth street and Broadway. Men's and boys' medium and high-grade shoes. Foreign agents: J. Rosenthal, Manila, P. I.; Poblet & Mundet, Havana, Cuba; G. A. Kogan, Belgrano 660, Buenos Aires, Argentina.

The Eynon-Evans Manufacturing Company, Fifteenth and Clearfield streets, Philadelphia, Pa. Globe, angle and check valves; steam jet blowers, syphons, exhausters, injectors: brass, bronze, copper and aluminum castings. Cable address, "Eynon," Philadelphia. Codes, Western Union and Lieber's.

Eberhard Faber, 37 Greenpoint avenue, Brooklyn, N. Y. Export office, 200 Fifth avenue, New York. Lead pencils, penholders, rubber erasers and rubber bands. Cable address, "Rebaf," New York.

The N. K. Fairbank Company, 111 West Washington street, Chicago, Ill. Export office, 26 Beaver street, New York. Refined lard, lard substitute, soaps and soap powders.

The Fairbanks Company, 416 Broome street, New York. Scales, trucks, valves and wheelbarrows. Jobbers of machine tools and supplies and gas engines. Foreign branches: 15 Mallow street, Old street, London, England; 56 Bothwell street, Glasgow, Scotland; 50 Rue Claude Vellefaux, Paris, France. Cable address, "Fairbanks," New York. Codes, A B C Fourth and Fifth editions, Western Union and Lieber's.

The Fairbanks Company, Springfield, Ohio. Iron foundry.

Fairbanks, Morse & Company, 900 South Wabash avenue, Chicago, Ill. New York office, 30 Church street. Cars: hand and push, motor inspection, motor section, motor velocipede and velocipede; cattle guards; cement testing outfits; storage battery charging sets; coal, locomotive coaling and sand chutes; friction clutches; air compressors of high and low pressure belted or direct connected to oil engine or electric motor, portable air compressors and gas compressors; coal and ash handling conveyors; engines: alcohol, kerosene, oil, distillate, gas, gasoline, handcar, hoisting, mine hoisting, gasoline hopper or tank cooled, crude oil, marine oil, portable and pumping of various kinds; electric light plants; electric exhaust fans; oil filters; track gauges; electric lighting and power generating sets either alternating or direct current driven by gasoline, oil and gas engines or motor; deep well working heads; feed water and tank heaters; hoists: coal car, gasoline and oil, car haul incline; hand car wheel insulation; box car loaders; feed mills; various kinds of direct and alternating current motors, motor generator sets; coal pockets; car pullers; combined pumpers; pumps: steam, tar, brine, water, oil, sand, vacuum, boiler feed, mine, tank, test, water works, deep well, windmill, irrigating, ballast, bilge, sinking, spray, underwriters', elevator, trench diaphragm, belt-driven, electric, hand, force and lift, pneumatic, power, centrifugal, duplex and rotary; pump parts; water tanks, both iron and wood; stand pipes; windmill and water cooling towers; scales: computing, automatic, platform, track and wagon; trucks of various kinds; power and electric washing machines; small car wheels, steel pressed wheels. Branch offices: London, England; Buenos Aires, Argentina. Cable address, "Eclipse," Chicago. Codes, General Telegraph, Western Union, A B C Fourth and Fifth editions and private.

E. & T. Fairbanks & Company, St. Johnsbury, Vermont. Export office, Fairbanks Company, 416 Broome street, New York. Scales of all kinds.

Foreign agents: The Fairbanks Co., London, Paris, Moscow, India, South America and Cuba.

The Fairfield Rubber Company, Fairfield, Conn. Rubber cloth.

The Fairley Davidson Steel Company, Inc., 120 Maiden lane, New York. Steel specialists and forgers.

The Fairmont Creamery Company, 1202 Jones street, Omaha, Neb. Creamery butter. Jobbers of eggs, egg products, cheese and poultry. Cable address, "Fairmont," Omaha.

The Fajardo Sugar Company, 106 Wall street, New York. Sugar.

Fales & Jenks Machine Company, 320 Dexter street, Pawtucket, R. I. Ring spinning machinery for cotton; ring twisting machinery for cotton, wool, worsted and flax.

The Falk Company, Milwaukee, Wis. Open hearth steel castings, Wuest double helical gears and pinions. Cable address, "Falk," Milwaukee. Codes, Lieber's and Western Union.

Faries Manufacturing Company, 1036 Grand avenue, Decatur, Ill. Gas and electric lighting fixtures, adjustable brackets, portables, metal shades and reflectors; fixture fittings; spinnings, stampings, turnings; brass, bronze and aluminum castings.

Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Sash, doors, exterior and interior finish and millwork.

A. B. Farquhar & Company, Cotton Exchange building, New York. Factory at York, Pa. Steam engines and boilers, gasoline engines, steam and gas tractors, saw mills, threshers, plows, harrows, cultivators, grain drills, corn planters, cotton planters, potato diggers, corn shellers, grinding mills, store trucks, hydraulic cider, wine and veneer presses. Cable address, "Fenankle," New York. Codes, A B C Fifth edition, Lieber's, Western Union and Simplex.

Farr Alpaca Company, Holyoke, Mass. Worsted dress goods and coat linings.

Farrel Foundry and Machine Company, 25 Main street, Ansonia, Conn. Coil clutches; cast and cut gearing; stone and ore crushers; celluloid machinery; linoleum machinery; rubber machinery; paper calenders; roll grinders; rolling mills for brass, copper, silver, lead, etc.; chilled and sand rolls; shears and sugar cane grinding mills. Cable address, "Farrelmach," Ansonia. Codes, Western Union, A B C Fifth edition and Lieber's.

The M. B. Farrin Lumber Company, Cincinnati, Ohio. Poplar and oak lumber, oak flooring and moldings. Cable address, "Farrin," Cincinnati. Codes, A B C Fifth edition and Universal.

Faultless Starch Company, 1025 West Eighth street, Kansas City, Mo. "Faultless Starch," a package laundry starch.

The Favorite Stove and Range Company, Piqua, Ohio. Stoves and ranges of every description for gas, coal and wood; warm air furnaces; farmers' boilers and cauldrons; high-grade, extra-finished cast iron hollow ware.

J. A. Fay & Egan Company, Front and John streets, Cincinnati, Ohio. Export office, 13 Park Row, New York. Wood working machinery of all kinds and 16" and 18" standard engine lathes. Cable address, "Egan," Cincinnati. Codes, Lieber's, A 1, Western Union, A B C Fourth and Fifth editions, New Business, Marconi Wireless and private.

The Federal Bearings Company, Inc., Fairview, Poughkeepsie, N. Y. Ball bearings, high grade in metric dimensions; also a commercial grade of bearings. Cable address, "Fedbear," Poughkeepsie. Code, Western Union.

Federal Button Company, 365 Market street, Newark, N. J. Ivory and composition buttons; also shoe buttons. Cable address, "Dugmen," Newark.

Federal Glass Company, Columbus, Ohio. New York agent, F. F. Rodgers, 19 Park place. Blown tumblers and stemware; pressed tumblers, jellies, sodas; bar goods, beer mugs; tableware; packers' jars; corrugated paper boxes. Cable address, "Fedglasco," Columbus. Code, A B C.

Federal Pressed Steel Company, North Pierce and Keefe avenues, Milwaukee, Wis. Pressed steel products, brake drums and flanges, seamless drawn cylinders for acetylene and air, automobile gas tanks, any kind of steel containers.

Federal Printing Company, 239 West Thirty-ninth street, New York. Printers of catalogs, magazines, etc.; also general job printing.

Federal Terra Cotta Company, 111 Broadway, New York. Architectural terra cotta.

The Fellows Gear Shaper Company, Pearl street, Springfield, Vt. Gear cutting machinery. Foreign agents: Alfred Herbert, Ltd., Coventry, England; 14 Yamashitacho, Yokohama, Japan; 42 Via Caiazzo, Milan, Italy; 30 Church street, New York, and Alfred Herbert (France), Ltd., 47 Boulevard de Magenta, Paris, France. Cable address, "Gearshap," Springfield, Vt. Code, Lieber's.

Felton, Sibley & Company, Inc., 136 North Fourth street, Philadelphia, Pa. Paints and colors, dry colors, iron and wood fillers, wood stains, floor wax, floor polish, metal paints, putty, varnishes and enamels. Cable address, "Felsibco," Philadelphia. Code, Western Union.

H. Fendrich, Oakley and Pennsylvania streets, Evansville, Ind. Cigars.

John W. Ferguson Company, Paterson, N. J. New York office, 253 Broadway. Engineers and contractors of buildings for manufacturing and industrial purposes.

Ferracute Machine Company, East Commerce street, Bridgeton, N. J. Mechanical presses, such as punching presses, cutting presses, drawing presses, deepening presses, stamping presses, forming presses and coining presses. Foreign agents: For Japan, Mitsui & Co., 25 Madison avenue, New York; for France, Belgium, Italy, Switzerland, Spain and Portugal, Fenwick Frères & Co., 8 Rue de Rocroy, Paris, France. Cable address, "Ferracute," Bridgeton. Code, Lieber's.

The Ferris Brothers Company, 48 East Twenty-first street, New York. Corsets and corset waists, shoulder braces, abdominal supporters, bosom forms. Cable address, "Alated," New York.

The Ferro Machine and Foundry Company, East Sixty-sixth and Hubbard streets, Cleveland, Ohio. Marine and automobile engines, gray iron castings. Cable address, "Ferro," Cleveland. Codes, A B C Fifth edition, Lieber's and Western Union.

The Ferry Cap and Set Screw Company, 2151 Scranton road, Cleveland, Ohio. New York agent, Surpless, Dunn & Co., 74 Murray street. Screws, shackle bolts and screw machine products. Cable address, "Ferry," Cleveland. Code, Western Union.

The Fiberloid Company, Indian Orchard, Mass. New York office, 55 Fifth avenue. "Fiberloid" (similar to celluloid) and articles therefrom, such as collars and cuffs, combs, brushes, mirrors, toilet and manicure articles and sets. Cable address, "Fiberloid," New York.

Fidlar & Chambers, 120 East Fourth street, Davenport, Iowa. Printers.

A. B. Fiedler & Sons, 367 West Adams street, Chicago, Ill. Ladies' dress cloak and fur trimmings, fringes, cords, tassels and braids. Cable address, "Fiedler," Chicago.

Field Brothers & Gross Company, 185 Essex street, Boston, Mass. Men's medium priced Goodyear welt shoes.

The Filer & Stowell Company, 219 Becher street, Milwaukee, Wis. Saw mill machinery, Corliss engines, heavy duty rocking valve engines, power transmission machinery, pumping machinery and hoisting engines. Jobbers of filing room tools, riveted malleable chain for drives and conveyor purposes. Cable address, "Filerstowell," Milwaukee. Code, Western Union.

Finch, Pruyn & Company, Inc., 1 Glen street, Glen Falls, N. Y. Newsprint, half-tone and hanging papers; lime; crushed stone; lumber: ash, birch, cedar, fir, spruce, hemlock, maple, poplar, basswood, cottonwood, white pine and hardwood.

Sam Finkelstein & Company, 801 Broadway, New York. Men's suits, overcoats, "Palm Beach" and "Kool Kloth" suits.

Firestone Tire and Rubber Company, Main street, Akron, Ohio. New York office, 1871 Broadway. Rubber tires and accessories; pneumatic tires, solid tires, carriage rubber accessories, rims. Foreign agents: Firestone Tyre and Rubber Co., Ltd., London, England; Firestone Tire and Rubber Co., Buenos Aires, Argentina; Firestone Tyre and Rubber Co., Ltd., Manchester, England. Cable address, "Firestone," Akron. Codes, Lieber's, A B C, Western Union and private.

Firth-Sterling Steel Company, McKeesport, Pa. High-grade tool steel. Cable address, "Subtenso," McKeesport. Code, A B C Fifth edition.

B. Fischer & Company, 190 Franklin street, New York. Roasters of coffee, grinders of spices, packers of tea and rice. Cable address, "Benfish," New York. Code, A B C Fifth edition.

J. & C. Fischer, 417 West Twenty-eighth street, New York. Pianos, player-pianos and electric player-pianos. Cable address, "Punctillio," New York. Code, Western Union.

Fisher Body Company, 1414 St. Antoine street, Detroit, Mich. Automobile bodies.

The Fisk Rubber Company, corner Oak and Grove streets, Chicopee Falls, Mass. New York office, 1725 Broadway. Pneumatic rubber tires and accessories, solid tires. Cable address, "Fisktire," Chicopee Falls. Codes, Simplex, Western Union, A B C Fifth edition and Lieber's.

Fiske Brothers Refining Company, 24 State street, New York. Lubricating oils and greases of all descriptions, cutting oils, cutting compounds, soluble oils. Cable address, "Lubroleine," New York. Codes, Western Union, A B C Fifth edition, A 1, Lieber's and private.

Stanley G. Flagg & Company, 1421 Chestnut street, Philadelphia, Pa. Malleable cast iron screwed fittings for threaded tubes. Cable address, "Fittings," Philadelphia. Codes, Lieber's and Western Union.

Flannery Bolt Company, Vanadium building, Pittsburgh, Pa. "Tate" flexible staybolts for locomotive firebox boilers, for upright or verticle firebox boilers and for marine boilers; crown adjustable staybolts. Cable address, "Jamesflan," Pittsburgh. Code, Western Union.

Joseph E. Fletcher, 151 Waterman street, Providence, R. I. Woolen goods.

W. & A. Fletcher Company, Hoboken, N. J. Marine engines and boilers; special machinery; brass castings; propeller wheels; surface condensers; contractors for steamboats, steam yachts and ships. Cable address, "Beamengine," Hoboken. Code, Western Union.

Flint & Walling Manufacturing Company, Kendallville, Ind. "Star" windmills, towers, wooden and steel tanks, pumps, gas and gasoline engines and pneumatic water supply systems. Export office, 96 Wall street, New York. Cable address, "Star," Kendallville. Codes, Western Union, A B C Fourth and Fifth editions and Lieber's.

Samuel Floersheimer & Brother, 2 West Thirty-third street, New York. Ladies' costumes. Cable address, "Flodress," New York.

Florence Manufacturing Company, Florence, Mass. New York office, 221 Fourth avenue. "Pro-phy-lac-tic" tooth brushes, "Keepclean" toilet brushes, "Nevershead' shaving brushes, "Florence" hand mirrors, toilet sets and fancy goods. European agent, Wm. E. Peck & Co., Pearl street, New York; Asiatic agent, Muller & Phipps, Englewood, N. J. Cable address, "Lionite," Florence, Mass.

The Florsheim Shoe Company, Adams and Clinton streets, Chicago, Ill. Men's fine shoes of the better grades.

Floyd Cotton Mills, Rome, Ga. Flat duck.

The Floyd-Wells Co., Royersford, Pa. Stoves, heaters, ranges and house heating furnaces.

Follmer, Clogg & Company, Lancaster, Pa. New York office, 114 Fifth avenue. Umbrellas, parasols, canes and umbrella silks. Foreign agents: Weil Bros., Paris, France. Cable address, "Follmer," New York.

The Foote-Burt Company, Forty-first street and St. Clair avenue, Cleveland, Ohio. Single and multiple spindle drills; semi-automatic 2, 3 and 4-way drills; automobile cylinder boring machines; automobile multi-spindle valve grinding machines; piston turning machines. Foreign agents: Buck & Hickman, Ltd., London, Birmingham, Manchester, England, and Glasgow, Scotland; Moscow Tool and Engine Co., Moscow, Russia; Ing. Ercole Vaghi, Milan, Italy; R. S. Stokvis & Zonen, Ltd., Rotterdam, Holland; R. S. Stokvis & Fils, Brussels, Belgium; Glaenzer & Perreaud, Paris, agents for France, Switzerland, Spain and Portugal; Benson Bros., Ltd., Sydney, Australia, agents for Australia and New Zealand; Mitsui & Co., agents for Japan, Korea and Manchuria; Wilh. Sonesson & Co., Ltd., Malmo, Sweden, and Copenhagen, Denmark. Cable address, "Footburt," Cleveland. Code, Lieber's.

The Ford Manufacturing Company, 123 Second street, Waterford, N. Y. New York office, room 913, 346 Broadway. Men's balbriggan underwear and men's worsted merino underwear.

Ford Motor Company, Detroit, Mich. Export office, 17 Battery place, New York. New York office, 1723 Broadway. Automobiles. Cable address, "Fordorto," New York. Codes, Lieber's, A B C and Western Union.

C. P. Ford & Company, Rochester, N. Y. New York office, 127 Duane street. Women's shoes, welts and turned. Cable address, "Fordturn," Rochester.

Edward Ford Plate Glass Company, Rossford, Ohio. Polished plate glass. Cable address, "Fordco," Rossford, Ohio.

The J. B. Ford Company, Wyandotte, Mich. New York office, 290 Broadway. Special washing or cleansing agents for laundries, dairies, butter and cheese factories, butchers, packers and slaughterers, bakers and ice cream makers, hotels and restaurants, steamships and public and office buildings, put up under the trade-mark of "Wyandotte."

The Forest City Foundry and Manufacturing Company, Cleveland, Ohio. Gray iron castings; hot air furnaces and registers; mail boxes; lawn sprinklers; general jobbing work for foundry.

The Forest City Steel and Iron Company, 1500 West 110th street, Cleveland, Ohio. Fabricators of structural iron and steel for buildings.

The Forman-Bassett Company, 1427 West Third street, Cleveland, Ohio. Lithographers, printers, rulers, binders, engravers, copper plate printers, steel die embossers, loose-leaf devices, steel and wood office furniture and filing devices; bank outfitters, advertisers and installers of Christmas savings clubs.

---

to manufacturers whose names are given in this book.

Forrester-Nace Box Company, Eighth and Wyoming streets, Kansas City, Mo. Wooden packing boxes and crates made up and in shook form; also bottlers' boxes and water bottle crates. Jobbers of gum and cottonwood veneer.

Forstmann & Huffmann Company, Passaic, N. J. New York office, 230 Fifth avenue. Fine woolen and worsted fabrics for women's and men's wear; fine broadcloth and high-grade novelties for women's dress goods and coatings; fine dry-spun worsted yarns (French system) all accounts for weaving and knitting trades. Cable address, "Forsthuff," Passaic. Codes, Western Union, Lieber's and A B C Fifth edition.

The Forsyth Dyeing Company, West Fitch street, New Haven, Conn. Dyers of cotton piece goods.

Fort Pitt Malleable Iron Company, P. O. Box 1054, Pittsburgh, Pa. Malleable iron castings.

Fort Wayne Corrugated Paper Company, Murray and Barr streets, Fort Wayne, Ind. Corrugated paper.

The Fort Wayne Rolling Mill Corporation, Fort Wayne, Ind. Iron and steel bars and bands.

The Fosdick Machine Tool Company, Blue Rock and Apple streets, Cincinnati, Ohio. Radial drills and horizontal boring, drilling and milling machines. Foreign agents: Fenwick Frères & Co., Paris, France; R. L. Scrutton & Co., Ltd., Sydney, Australia; C. W. Burton, Griffiths & Co., London, England; Wynmalen & Hausmann. Rotterdam, Holland; Wilh. Sonesson & Co., Malmo, Sweden; Rylander & Asplund. Stockholm, Sweden; Roku-Roku Shoten, Tokyo, Japan; Iznosskoff & Co., Petrograd, Russia. Cable address, "Fosdick," Cincinnati. Code, Lieber's.

H. D. Foss & Company, Inc., 112 Canal street, Boston, Mass. High-grade chocolate-covered confections and other specialties.

Foster Brothers Manufacturing Company, Broad street, Utica, N. Y. Brass beds; iron beds, cribs and cots; hospital beds; bed springs and springs for upholstery. Cable address, "Foster," Utica.

Foster Engineering Company, 109 Monroe street, Newark, N. J. Regulators for pressure, fan or blower engines and feed water; pump governors; valves: non-return stop, emergency stop and non-return, float, back pressure, hydraulic pressure and regulating, fuel oil stop and check, lever balance, low pressure and high pressure relief: turbine governors and similar kindred specialties. Foreign agents: The Canadian Fairbanks-Morse Co., Ltd., Toronto, Canada. Cable address, "Retsof," Newark. Codes, Western Union 1916 edition and private.

Foster Machine Company, Westfield, Mass. Textile machinery.

Foster, Merriam & Company, Meriden, Conn. Export office, 225 Canal street, New York. Cabinet hardware, truck casters, ball-bearing casters, plate casters, Philadelphia casters and metallic bedstead casters. Foreign agents: Escarpentier Bros., Havana, Cuba; Edwin Wood, Melbourne, Australia; Frank Riddiough, Bradford, England.

Foster Rubber Company, 105 Federal street, Boston, Mass. Rubber heels; rubber soles; crutch, cane and chair tips; arch supports; heel cushions. Cable address, "Wontslip," Boston. Codes, Western Union, Lieber's and A B C.

J. R. Foster, Plymouth, N. H. See John M. Hale-Boardman, Inc., 120 Liberty street, New York.

Joseph R. Foster & Sons, Second and Clearfield streets, Philadelphia, Pa. Dyers of wool and worsted yarns for knit goods, fast colors on wool and worsted yarns for dress goods and goods for men's wear and fast colors

on raw wool; dyers and finishers of dress goods, cloakings and goods for men's wear; also re-dyers of goods.

Theodore W. Foster & Bro. Company, 100 Richmond street, Providence, R. I. New York office, 13 Maiden lane. Sterling silver toilet goods; sterling silver enameled goods; sterling silver and gold filled novelties; 10-kt. gold, gold filled and sterling silver jewelry. Foreign agent: Chas. A. Pope, Casilla 659, Buenos Aires, Argentina.

Fostoria Glass Company, Moundsville, W. Va.. New York office, 66 West Broadway. Bar glassware, table glassware, cut glassware, decorated glassware, silver deposit glassware, decorated lamps. Cable address, "Fostoria," Moundsville, W. Va. Codes, A B C Fourth and Fifth editions and Western Union.

Charles K. Fox, Inc., 35 Duncan street, Haverhill, Mass. Ladies' low cut turn shoes. Export agents, James G. Tavares, 80 Wall street, New York; agent for Cuba and Mexico; Henry W. Peabody & Co., 17 State street, New York, for Australia. Cable address, "Haverfox," Haverhill.

Samuel Fox's Sons, Inc. (La Porte Woolen Mills), La Porte, Ind. New York office, 350 Broadway. Men's wear cassimeres, ladies' dressgoods.

The Fox River Paper Company, Appleton, Wis. Loft dried writing papers.

The France Stone Company, Toledo, Ohio. Crushed stone.

The Francis Company, Inc., Pratt and Concord streets, Baltimore, Md. Men's straw hats. Cable address, "Francisco," Baltimore. Any code.

The Frank Tea and Spice Company, Cincinnati, Ohio. Importers and grinders of spices; manufacturers of tin cans, plain and decorated, for spices, herbs and crude drugs. Cable address, "Frates," Cincinnati.

Frank & Dugan, 373 Fourth avenue, New York. Silk ribbons.

The Franklin Electric Manufacturing Company, 81 Woodbine street, Hartford, Conn. Export office, 17 Battery place, New York. All classes of tungsten and carbon incandescent electric lamps. Cable address, "Lamperna," New York. Codes, Western Union Universal edition and A B C Fourth edition.

Franklin Steel Works, 612 Atlantic avenue, Franklin, Pa. Steel angles, beams, channels, tees and Z-bars; straight and twisted concrete reinforcing bars; lighting and steel trolley poles; bar steel; steel towers and steel U-bars. Cable address, "Tripartite," Franklin, Pa. Codes, Western Union and Lieber's Five Letter American.

The Frantz Premier Company, Ivanhoe road and Nickel Plate railroad, Cleveland, Ohio. Export agent, J. E. Sitterley, 47 Broadway, New York. New York office, 119 West Forty-second street. Electric vacuum cleaners and attachments for same.

William Franzen & Son, Inc., Milwaukee, Wis. Glass bottles for beer, soda and mineral water.

Frazer & Jones Company, Syracuse, N. Y. Malleable iron castings and saddlery hardware.

The S. Freeman & Sons Manufacturing Company, Racine, Wis. Export office, 68 Broad street, New York. Steam boilers of all types for stationary or marine purposes, steel windmills and towers, feed and ensilage cutters, corn shellers of all sizes, cider mills of all sizes, fanning mills. Cable address, "Freeman," Racine.

Freeport Sulphur Company, 61 Broadway, New York. Crude sulphur in bulk. European agents: Sociéte pour l'Importation et la Vente des Soufres Americains, 8 Rue de la Tour des Dames, Paris, France. Cable address, "Freesulph," New York.

The Freihofer Baking Company, Twenty-fourth and Master streets, Philadelphia, Pa. Bread, rolls, cakes, pies, macaroni, spaghetti, pastels, noodles. Cable address, "Freibaco," Philadelphia.

The French Oil Mill Machinery Company, West Green street, Piqua, Ohio. Machinery for extracting oil from seeds and nuts, such as cotton seed, linseed, copra, soya beans, castor beans, sesame, rape, peanuts, palm kernels, etc. Cable address, "French," Piqua. Codes, A B C Fifth edition and Western Union.

French, Shriner & Urner, 63 Melcher street, Boston, Mass. New York office, 504 Fifth avenue. High-grade shoes.

French & Hecht, Third and Farnam streets, Davenport, Iowa. Steel wheels for motor trucks, wagons, tractors and all kinds of farm implements; roller bearing steel farm and teaming gears.

French & Ward, 79 Worth street, New York. Knit piece goods, woolen and cotton goods, ripple cloth, fleecy fabrics, stockinettes, astrakhans, etc. Cable address, "Frenchward," New York. Codes, Western Union and A B C Fifth edition.

Samuel H. French & Company, York avenue, Fourth and Callowhill streets, Philadelphia, Pa. Paints, varnishes, cements, tile, mantels and builders' supplies. Cable address, "French," Philadelphia. Codes, Lieber's, A B C Fifth edition and Western Union.

Frick Company, Waynesboro, Pa. New York office, 39 Cortlandt street. Ice and refrigerating machinery; Corliss engines; return tubular boilers, fire box boilers and general tank work; steam traction engines for hauling, general transportation work and operating threshing machinery; portable engines on wheels and sills; threshing machinery and sawmill machinery. Foreign agents: Frick Ice and Refrigeration Company, Montreal, Canada; Dodwell & Co., Ltd., Yokohama, Japan; Joseph Baker & Sons, Ltd., London, England. Cable address, "Frick," Waynesboro. Codes, Western Union, Lieber's Standard, A B C Fifth edition, Western Union Five Letter and private.

Fried, Mendelson & Company, 221 Fourth avenue, New York. Silks and silk and cotton mixed fabrics. Cable address, "Hembrica," New York. Codes, Western Union and Lieber's.

Friedman, Robertson & Keeler, 90 West street, New York. Architects and engineers, specializing in refrigeration and cold storage. Cable address, "Donachaidh," New York. Codes, Western Union and A B C Fourth edition.

Friedman & Krieger, 225 Fifth avenue, New York. Converters of cotton goods for all trades. Cable address, "Fankay," New York. Code, Western Union.

The Frisbie Pie Company, 363 Kossuth street, Bridgeport, Conn. Bakery goods.

George Frost Company, 551 Tremont street, Boston, Mass. New York office, 101 Franklin street. "Boston" garters for men, "Velvet Grip" hose supporters for women and children. Foreign agents: Howard Wall, Ltd., 31 Hackney road, London, England, agents for Great Britain, her colonies and Continental Europe; Carlisle, Crocker & Co., Montevideo, Uruguay; Roberto Gerschen, Buenos Aires, Argentina. Cable address, "Devonfrost," Boston. Code, Standard.

Frye & Company, Ninth avenue South and Walker street, Seattle, Wash. Fresh beef, pork and mutton, lard and all cured pork products. Jobbers of butter, eggs and cheese. Cable address, "Fryruhn," Seattle. Codes, Cross and Western Union.

John A. Frye Shoe Company, Marlboro, Mass. Manufacturers of working shoes, pegged and nailed.

The Fuchs & Lang Manufacturing Company, 119 West Fortieth street, New York. Presses: lithographing, printing, metal sign lithographing and printing; tin decorating and offset proving; machines for coating, varnishing, lacquering and bronzing; lithographic inks; printing inks; printers' blankets; bronze powders and lithographers' supplies. Jobbers of lithographic stones, tin printers, rubber blankets, offset litho press blankets, felt blankets, molletons and flannels. Cable address, "Fuchslang," New York. Codes, A B C Fourth and Fifth editions and Western Union.

Fuller Iron Works, 40 Tockwotten street, Providence, R. I. Cast iron castings.

The Fuller-Warren Company, Thirty-second and Wright streets, Milwaukee, Wis. Coal and wood cooking and heating stoves, gas ranges, hotel coal and gas appliances, warm air furnaces, hot water and steam heating boilers.

Fuller & Warren Company, River and Monroe streets, Troy, N. Y. Export office, 17 Battery place, New York. New York office, 256 Water street. Stoves, ranges and furnaces. Cable address, "Fulwarco," New York.

George A. Fuller Company, 949 Broadway, New York. Fireproof building construction.

Geo. H. Fuller & Son Company, 151 Exchange street, Pawtucket, R. I. Branch office, 29 East Madison street, Chicago, Ill. Pintongs, joints and catches, watch bows, bars and swivels, neck clasps, button backs and spring rings; a complete line of all component parts used in the making and repairing of jewelry. Cable address, "Fullerson," Pawtucket. Code, Western Union.

W. P. Fuller & Company, 301 Mission street. San Francisco, Cal. New York office, 99 John street. "Pioneer" white lead, red lead, all kinds of mixed paints, colors in oil and japan, varnishes, lubricating oils and greases; beveled and plain mirrors. Jobbers of window and plate glass, brushes, building materials and painters' sundries. Cable address, "Fuller," San Francisco. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and private.

Fulton Bag and Cotton Mills, South Boulevard, Atlanta, Ga. Export office, 330 Wythe avenue, Brooklyn, N. Y. Cotton and jute bags, duck bags, paper bags, seamless bags, mail bags, coin bags, cotton bagging, horse blankets, burlap, cotton cordage, cotton twines, tents, tarpaulins (waterproof), disinfectants. Jobbers of press cloth, jute twines and rope. Cable address, "Fultonbag," Brooklyn. Codes, A B C Fourth, Fifth and Fifth Improved editions, Lieber's Standard, A 1, Whitelaw's 401 Cipher, Bentley's Western Union and private.

Fulton Specialty Company, 128 Fulton street, Elizabeth, N. J. Sign and price markers; business and office printing outfits and type fonts; self-inking stamp pads; non-blurring wood pads; rubber stamp inks, bulletin and indelible inks; band daters and numberers; juvenile and toy printing sets and animal A B C blocks. Cable address, "Fultontype," Elizabeth.

G. & J. Tire Company, 549 East Georgia street, Indianapolis, Ind. Export office, United States Rubber Export Co., Ltd., 1790 Broadway, New York. Automobile tubes, "United States" brand motorcycle tires, "United States" and "G. and J." brands clincher bicycle tires, single tube bicycle tires. Cable address, "Detachable," Indianapolis. Code, Western Union.

The G & O Manufacturing Company, 598 State street, New Haven, Conn. Engine cooling radiators for motor trucks, automobiles, aeroplanes and tractors.

Galion Iron Works and Manufacturing Company, Galion, Ohio. Export office, 50 Broad street, New York. Road grading machinery, corrugated nestable culvert pipe and cast iron culvert pipe. Cable address, "Snyderyan," New York. Codes, Lieber's, Western Union, A B C Fifth edition and Improved A B C.

Galloway Terra Cotta Company, Thirty-second and Walnut streets, Philadelphia, Pa. Garden and floral pottery and decorative terra cotta.

A F. Gallun & Sons, Milwaukee, Wis. Calf, kip and side leathers. Cable address, "Gallun," Milwaukee.

The Gamewell Fire Alarm Telegraph Company, 70 East Forty-fifth street, New York. Fire alarm and police alarm apparatus, emergency signalling apparatus, municipal systems and industrial plant protection systems.

The Gandy Belting Company, 726 West Pratt street, Baltimore, Md. New York office, 36 Warren street. The "Gandy," "Oxylo" and "Dixie" belts. Cable address, "Gandy," Baltimore. Codes, A B C Fifth edition and Western Union.

William Ganschow Company, 1001 Washington boulevard, Chicago, Ill. Gears of all kinds, as automobile, cut, planed, spur, bevel, mitre, worm, internal, fibre; rawhide gears and pinions, bakelite gears and pinions; machine racks; spur gear reducers and worm gear reducers. Cable address, "Ganschow," Chicago. Code, Western Union.

Gardiner Binding and Mailing Company, 80 Lafayette street, New York. Book, pamphlet, periodical and newspaper binding, addressing and mailing to all trades and professions.

Gardiner & Warring Company, 5 Yeomans street, Amsterdam, N. Y. Cotton knit goods.

The Gardner Governor Company, Quincy, Ill. New York office, 302 Singer building, 149 Broadway. Pumps: steam, power, dry vacuum, oil field, boiler feed, outside center packed plunger, etc.; air compressors: vertical water cooled, vertical air cooled, horizontal, two-stage; steam engine governors; speed and pressure regulators; steam pumps and receivers, power pumps and receivers; steam separators. Cable address, "Gardner," Quincy, Ill. Codes, Western Union, Lieber's, A B C and Bentley's.

The Garford Manufacturing Company, Elyria, O. Automobile warning signals, phonographs and parts, isolated electric light plants. Cable address, "Garfax," Elyria. Code, A B C.

A. Garside & Sons, 549 West Twenty-sixth street, New York. Ladies' shoes.

The Garvin Machine Company, 137 Varick street, New York. Milling machines and attachments: plain and universal knee type, vertical and vertical spindle planer types, duplex horizontal spindle type, duplex slot millers, automatic index and cam or form milling type; profiling machines; tapping and threading machines; vertical and horizontal, single and multiple spindle; drilling machines: duplex horizontal, hand and power feed, multiple gang type and four head, right angle drilling and turning machines; hand screw machines and monitor lathes in seven sizes, ⅝-inch to 2-inch capacity; screw head shaving machines; die slotting and screw slotting machines; spring coiling machines; cutter and surface grinders; wrenchless chucks and special machinery. Jobbers of engine lathes, planers, drilling machines, shapers and other metal working machine tools. Foreign agents: For Great Britain, C. W. Burton, Griffiths & Co., 1-3 Ludgate square, Ludgate Hill, London, E. C., England; other countries, Alfred Herbert, Ltd., Coventry, England; 47 Boulevard de Magenta, Paris, France; 42 Via Cajazzo, Milan, Italy; 14 Yamashita-Cho, Yokohama, Japan. Cable address, "Needful," New York. Codes, Lieber's, A B C Fourth and Fifth editions, Western Union and private.

James S. Gary & Son, 722 Equitable building, Baltimore, Md. New York agents, T. A. Shaw & Co., 89 Worth street. "Alberton Extra" duck: wide, sail, United States army, narrow and naught.

Gas Engine and Power Company and Charles L. Seabury & Company, Consolidated, Morris Heights, N. Y. Steel and wooden steam vessels, steam and gasoline yachts and launches, steam and gasoline engines, marine boilers, alcohol and coal stoves for boats, electric lighting plants for boats and houses, tug boats, gun boats, torpedo boats, steam and oil lighters. Cable address, "Excellent," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

Gate City Cotton Mills, 1202 Candler building, Atlanta, Ga. White hosiery yarns on cones, numbers from 10s to 24s, inclusive.

The Gaynor Manufacturing Company, Bridgeport, Conn. Autographic registers, sales books, pipe collars, brass nuts, washers, wire coin wrappers, sink stoppers, gas fixture parts, Lebel bullets, goods to specification out of sheet metal, novelties, ferrules of brass, copper and steel.

The P. A. Geier Company, 5112 St. Clair avenue, Cleveland, Ohio. Arbor and straightening presses, electric vibrators and hair dryers, electric suction cleaners, electric washing machines. Foreign agents: S. Hoffnung & Co., 12 Fore street, London, England. Cable address, "Geierco," Cleveland. Code, Western Union.

Geisenheimer & Company, 134 Cedar street, New York. Aniline oil, aniline colors, all intermediates and pigment colors. Jobbers of natural and synthetic indigo, indigo extract, carmine of indigo, naphthalene flakes, bichromate of soda and potash, chlorate of soda and potash, and all kinds of chemicals. Foreign agents: F. G. Williams, 119 Chapel street, Salford, Manchester, England; G. Geisenheimer, 82 Boulevard Haussmann, Paris, France. Cable address, "Champin," New York. Codes, A B C Fifth edition and Lieber's.

Gendron Wheel Company, 518 Superior street, Toledo, Ohio. Children's vehicles, such as velocipedes, tricycles, iron wagons, coaster wagons, juvenile automobiles, hand cars, toy carts, toy barrows and doll carriages; baby vehicles, such as reed and wood body carriages and go-carts, collapsible go-carts and sulkies; invalid chairs, a complete line of reed and wood body reclining and stationary back chairs and invalid tricycles; a complete line of juvenile and adult bicycles.

General Bakelite Company, 2 Rector street, New York. "Bakelite," billiard balls, protective enamels, electrical insulating material, lacquers, technical varnishes. Cable address, "Bakelite," New York. Code, Western Union Five Letter.

General Chemical Company, 25 Broad street, New York. Acids: sulphuric, fuming sulphuric, muriatic, nitric, mixed, acetic, hydrofluoric, battery and phosphoric; sodas: sulphate, calcined sulphate, bisulphate. liquid bisulphite, sulphite, sulphide crystals, phosphate, silicate and sal; trisodium phosphate, glassmakers' salt cake, Glauber's salt and nitre cake; alum; sulphate and chloride of alumina; muriate of tin in crystals and solution, anhydrous tetrachloride of tin, bichloride and oxy muriate of tin; acqua and anhydrous ammonia; iron sulphide, true nitrate, copperas; roll brimstone, flour and flowers of sulphur; acetate of lead crystals and solutions; epsom salt and blue vitriol. Cable address, "Lycurgus," New York.

General Cigar Company, 119 West Fortieth street, New York. Cigars.

General Electric Company, Schenectady, N. Y. Export offices, Schenectady, N. Y., and 30 Church street, New York. Electric railway, lighting and power apparatus; electrical supplies, incandescent lamps. Cable address, "Genetric," New York. Codes, Lieber's, Western Union, A B C, A 1 and General Telegraph.

General Elevator Company, 29 Broadway, New York. Electric and hydraulic passenger and freight elevators, dumb-waiters, hoists and inclines; direct current and alternating current controllers for remote control and curtain operating devices for theaters and moving picture houses. Cable address, "Generalel," New York. Codes, Western Union and any other standard codes.

General Fire Extinguisher Company, 275 West Exchange street, Providence, R. I. Export offices, Providence and 1 Liberty street, New York. "Grinnell" automatic sprinklers, dry pipe valves, alarm valves and other "Grinnell" automatic fire protection apparatus; also cast iron fittings. Jobbers of wrought, cast iron and brass pipe, fittings, valves, etc., for steam, water and gas. Foreign agents: Mather & Platt, Ltd., Queen Anne's Chambers, London, England. Cable address, "Grinnell," Providence.

General Gas Light Company, Kalamazoo, Mich. New York office, 46 West Broadway. Gas arc lamps, gas lamps for residence lighting, gas mantles and gas lighting supplies, lighting glassware and "Radiantfire" gas heaters. Jobbers of lighting glassware. Foreign agents: H. C. Classing, 58 Leonard street, London, E. C., England; Robert Johnson, 324 Lambton quay, Wellington, New Zealand. Cable address, "Gengas," Kalamazoo. Code, A B C Fifth edition.

General Leather Company, Newark, N. J. Automobile, furniture and carriage leather. Cable address, "Warde," Newark.

General Magnesite and Magnesia Company, Montgomery avenue and Twenty-ninth street, Philadelphia, Pa. Heavy and light calcined magnesia, carbonate of magnesia, calcined magnesite and dead burned magnesite. Cable address, "Magnesia Co.," Philadelphia. Codes, Lieber's Fifth edition and A B C.

General Motors Corporation, Maybury Gd. and Grand Trunk railroad, Detroit, Mich. Automobile gas engines.

General Motors Truck Company, Pontiac, Mich. Export office, Eleventh avenue and Fifty-seventh street, New York. Motor trucks. Cable address, "Gentruck," New York. Codes, A B C Fifth edition and Western Union.

General Petroleum Corporation, Higgins building, Los Angeles, Cal. New York agent, B. C. Donham, 52 Broadway. Crude oil, fuel oil, gas oils of various gravities and Diesel engine oil. Cable address, "Genpet," Los Angeles.

Genesee Valley Lithograph Company, 27 North Washington street, Rochester, N. Y. Labels and color work.

The Geometric Tool Company, New Haven, Conn. Self-opening and adjustable screw cutting die heads, adjustable collapsing taps, geometric threading machine, geometric chaser grinder, adjustable hollow milling tools. Cable address, "Metric," New Haven. Code, Lieber's.

The George Automatic Roller Bearing Company, 4614 Spring Grove avenue, Cincinnati, Ohio. Taper roller bearings.

The Georgia Marble Company, Tate, Ga. New York office, 1328 Broadway. Georgia marble for interior, exterior and monumental work, such as columns, pilasters, ashlar stairways, flooring, wainscot, mausoleums, memorial buildings, heavy statuary and sculptured work; marble dust, marble flour; crushed marble for Ferrozzo work; also calcium products. Foreign agent: J. Pennino, O'Reilly 30, Havana, Cuba.

German American Portland Cement Works, LaSalle, Ill. Portland cement. Cable address, "Owlcement," LaSalle. Code, Western Union.

German Artistic Weaving Company, 141 West Thirty-sixth street, New York. Woven labels.

Germer Stove Company. Sixteenth and Parade streets, Erie, Pa. Coal stoves, ranges and furnaces; gas stoves, ranges, hot plates, floor furnaces.

Gerstendorfer Brothers, 231 East Forty-second street. New York. Paint specialties: enamels, stains, carriage colors, gilding, aluminum preparations, varnishes, lacquers, etc. Cable address, "Zanagerst," New York. Codes, Lieber's and A B C.

G. M. Gest, 1330 Woolworth building, New York. Branch offices, G. M. Gest, Ltd., 503 Power building, Montreal, and 1500 World building Vancouver, Canada; G. M. Gest, 1122 Union Trust building, Cincinnati, Ohio, and 503 Market street, San Francisco, Cal. Furnish and install underground conduit systems for telephone systems, etc.

Geuder, Paeschke & Frey Company, Milwaukee, Wis. Pieced tinware, japanned ware, enameled ware, sheet steel and galvanized ware, steel stampings. Cable address, "Geuderstir," Milwaukee. Code, Western Union.

C. S. Gibbon Company, 50 North Fourth street, Philadelphia, Pa. Ladies' fine shoes.

M. J. Gibbud Company, Inc., 109 Water street, New Haven, Conn. Sash, doors, window frames, wood turnings, mouldings, carving and all kinds of novelty woodwork; bank, store and office fixtures; general building contractors, reinforced concrete, mason and carpenter work. Wholesalers and retailers of lumber.

The Gibson Art Company, 418 Elm street, Cincinnati, Ohio. New York office, 500 Fifth avenue. Greeting cards, post cards and advertising calendars. Cable address, "Gaco," Cincinnati. Code, A B C Fifth edition.

Gilbert Knitting Company, Elizabeth street, Little Falls, N. Y. New York office, 260 Church street. Fancy and Egyptian balbriggans, sweaters, cotton and merino sweater coats, overshirts, knickers, tubing for canvas gloves, jersey cloth for knickers and canvas gloves, knitted cloth in bolts for manufacturing purposes. Cable address, "Astoronga," Little Falls.

Gilbert Paper Company, Menasha, Wis. Writing papers, blueprint papers, drawing papers, photographic papers unsensitized, bond papers, white and colored ledger papers, all tub sized, air dried and super calendered.

The Gilbert & Bennett Manufacturing Company, Georgetown, Conn. Export office, 277 Broadway, New York. Steel, galvanized, "Pearl," bronze and brass wire cloth; galvanized wire netting, wire lathing and wire fencing.

The A. C. Gilbert Company, New Haven, Conn. New York office, 221 Fourth avenue. Toys: "Erector" (girder construction), "Briktor" (steel brick construction), "Gilbert" wireless outfits, "Gilbert" electrical sets, "Mysto" magic, mechanical toy cars, toy nurses' outfits, carpenter sets, puzzles and educational toys; electrical fans for commercial and household use. Foreign agents: For British Isles, Bedington Liddiatt & Co., Ltd., 16 Bayer street, Golden lane, E. C., London, England; for Canada, Menzies & Co., Ltd., 439 King street, W., Toronto, Canada; for South America, Central America and West Indies, Usona Trading Co., 11 Broadway, New York. Cable address, "Gilbertman," New Haven. Code, A B C Fifth edition.

Frank Gilbert Paper Company, Waterford. N. Y. Coating, hanging, drawing, blotting and black papers and colored specialties.

William L. Gilbert Clock Company, 276 Main street, Winsted, Conn. Clocks and clock parts. Cable address, "Oxonian." Winsted.

The Gilchrist Company, 236 Bank street, Newark, N. J. Metal goods.

---

to manufacturers whose names are given in this book.

Gill Brothers Company, 627 Franklin street, Steubenville, Ohio. Export office, 101 Park avenue, New York. Lamp chimneys, lantern globes, gas globes, glassware for illuminating purposes, "Parian" glass bowls and shades. Foreign agents: C. J. Pratt, 1 Charterhouse street, Holborn Circus, London, England; Jorge Fortun, Galiano 69, Havana, Cuba; Ramon Lomelin, Avenue Francisco Madero 55, Mexico City, Mexico; A. Roundy, Commerce building, Martin lane, Sydney, Australia; E. & A. Youldon, 72-73 Sacke's building, Johannesburg, South Africa. Cable address, "Acmegill," New York. Code, Western Union.

The Gillespie Bros., Inc., 258 Atlantic street, Stamford, Conn. New York office, 527 Fifth avenue. Daily newspaper, three monthly magazines, books, catalogues and miscellaneous printed matter.

E. A. Gillett & Sons, 286 Rutherford avenue, Boston, Mass. Carriage, wagon and automobile bent wood work; rims, shafts, poles, bows, etc.

Gillinder & Sons, Inc., Tacony, Philadelphia, Pa. New York office, Farragut building. Glassware for lighting purposes. Cable address, "Gillinder," Philadelphia. Code, Western Union.

Gisholt Machine Company, Madison, Wis. New York office, 50 Church street. Semi-automatic and automatic turret lathes, vertical and horizontal boring mills, gun boring lathes, simplified turning lathes, universal tool grinders, time recording devices, projectile manufacturing machinery, boring bars, reamers, tools, jigs and fixtures. Cable address, "Gisholt," Madison. Code, Lieber's.

Gladding, McBean & Company, 1108 Crocker building, San Francisco, Cal. Pottery. Cable address, "Macbean," San Francisco.

Glamorgan Pipe and Foundry Company, Lynchburg, Va. Cast iron pipe for water and gas, hydrants, valves, cast iron flange pipe and all kinds of castings.

Glasgow Iron Company, Pottstown, Pa. New York agent, D. F. Cooney & Co., 88 Washington street. Basic open hearth steel plates, both sheared and universal rolled; genuine wrought (puddled) iron plates, both sheared and universal rolled; buckled plates, muck bars, flanged and pressed work, boiler heads flanged, pressed steel manheads, flanged manholes and covers, flanged flue-holes, handholes and covers, boiler lug, boiler bracket, flat flanges for riveting, pipe flanges.

Gleason-Tiebout Glass Company, 99 Commercial street, Brooklyn, N. Y. Export office, 200 Fifth avenue, New York. Lighting glassware for gas and electricity. Foreign agents: A. H. Keleher, 44 Whitehall street, New York, for South America; General Electric Co., Ltd., London, England, for Great Britain and her colonies, except Canada. Cable address, "Gletieco," New York. Code, Western Union.

Glenn-Loury Manufacturing Company, Whitmire, S. C. Print cloth. Selling agents, Harding, Tilton & Company, 66 Leonard street, New York.

Glenshaw Glass Company, Inc., Glenshaw, Pa. Beer and soda bottles, water bottles in flint, green and amber glass.

Globe Automatic Sprinkler Company, 2019 Washington avenue, Philadelphia, Pa. New York office, 120 Broadway. Manufacture and install automatic fire extinguishing devices.

The Globe Folding Box Company, Cherry and Hoffner streets, Cincinnati, Ohio. Folding paper boxes.

Globe Knitting Works, Grand Rapids, Mich. New York agents, Robischon & Peckham Co., 255 Fourth avenue. Men's, women's and children's ribbed underwear and union suits.

The Globe Machine and Stamping Company, 1250 West Seventy-sixth street, Cleveland, Ohio. Tool and battery boxes for automobiles; special pressed metal parts for automobiles; tumbling barrels about thirty style numbers; motion picture film reels, a stock article; battery handles for manufacturers of storage batteries; hose clamps in two styles and many sizes; metal stampings or machined work to order; sherardizing, the process called dry galvanizing. Cable address, "Globmachin," Cleveland.

Globe Malleable Iron and Steel Company, 101 Greenway avenue, Syracuse, N. Y. Malleable iron castings, gray iron castings, annealing and hardening pots and drop forgings.

The Globe Tailoring Company, Fourth and Elm streets, Textile building, Cincinnati, Ohio. New York office, 215 Fourth avenue. Wholesale tailors of men's and young men's clothing.

Globe Ticket Company, 112 North Twelfth street, Philadelphia, Pa. New York office, 1476 Broadway. Tickets of every description: fare tickets and transfers for tramways, reserved seat theatre tickets, roll tickets for cinematographs, amusements, etc., coupon books for merchants, mines and commissaries, profit-sharing certificates and premium coupons, tickets and checks for restaurants, soda fountains, etc. Cable address, "Globetiket," Philadelphia.

The Globe-Wernicke Company, Cincinnati, Ohio. Sectional bookcases, filing cabinets in wood and steel and stationers' goods. Cable address, "Globe," Cincinnati. Code, A B C Fifth edition.

Bernard Gloekler Company, 1129 Penn avenue, Pittsburgh, Pa. Complete hotel kitchen equipment, special coal and gas ranges, steam-jacketed kettles, meat market fixtures, cold storage doors, special cold storage door hardware. Cable address, "Gloekler," Pittsburgh. Codes, Western Union and Lieber's.

The Gloversville Silk Mills, Gloversville, N. Y. New York office, 859 Broadway. Silk gloves.

The H. C. Godman Company, 104 North Third street, Columbus, Ohio. Boots and shoes.

Aug. Goertz & Co., 278 Morris avenue, Newark, N. J. Bag frames, purse frames, metal novelties and specialties.

Goes Lithographing Company, 42 West Sixty-first street, Chicago, Ill. Stock certificate blanks, bond blanks, diploma blanks, corporation records, calendar pads.

Goetz Silk Manufacturing Company, Holyoke, Mass. New York office, 185 Madison avenue. Silk fabrics for dress and lining purposes.

D. Goff & Sons, 29 River street, Pawtucket, R. I. Cotton and worsted braids sold through DeGraff & Palmer, 881 Broadway, New York; serge and alpaca linings sold through Fred Butterfield & Co., 725 Broadway, New York; dress goods and goods for men's wear sold through Parker, Wilder & Co., 215 Fourth avenue, New York.

S. Golde & Sons, 84 Fifth avenue, New York. Clothing.

Goldens' Foundry and Machine Company, Columbus, Ga. Power transmission machinery, cane mill machinery, small grey iron castings.

Golding Manufacturing Company, Franklin, Mass. New York office, 38 Park row. Job printing presses, printing presses, paper cutters, card cutters, embossers, printers' tools, safety valve benzine cans. Foreign agents: Hunters, Ltd., London, England. Cable address, "Pearl," Franklin, Mass. Code, Western Union.

Goldman Costume Company, 16 West Thirty-third street, New York. Ladies' and misses' dresses and costumes.

---

to manufacturers whose names are given in this book.

Goldschmidt Detinning Company, 120 Broadway, New York. Tetrachloride of tin, pig tin, liquid chlorine, sulphate of zinc.

Good Pine Lumber Company, La Salle Parish, Good Pine, La. Yellow pine lumber.

Goodman Manufacturing Company, Halsted street and Forty-eighth place, Chicago, Ill. New York office, 200 Fifth avenue. Electrical coal undercutting machines and electrical mining locomotives. Foreign agents: Wm. Adams & Co., Ltd., 175 Clarence street, Sydney, Australia; Russian Electrical Co., Ekaterinoslavskaja Ulitsa 14, Kharkoff, Russia; L. J. Healing & Company, Ltd., Tokio, Japan. Cable address, "Goodmanco," Chicago. Codes, A 1 and Western Union.

A. Goodman & Sons, Inc., 640 East Seventeenth street, New York. Egg noodles, macaroni, etc.

The B. F. Goodrich Company, Main street, Akron, Ohio. New York office, 1780 Broadway. Rubber goods of every description. Foreign agents: Duval & Co., 13 Castlereagh street, Sydney, Australia; Societe Francaise, B. F. Goodrich Co., 221 Boulevard De Valmy, Colombes, Seine, France; The B. F. Goodrich Co., Ltd., Attention Louis A. Smith, 117-123 Golden lane, London, E. C., England; Oliver Import and Export Co., U. S. Postal Agency, P. O. Box 846, Shanghai, China; Parsons Hdwe. Co., P. O. Box 422, Manila, P. I.; E. W. Pidgeon & Co., Ltd., 224-6 Tuam street, Christchurch, N. Z. Cable address, "Tubedodge," Akron. Codes, Western Union, A B C and Lieber's.

William O. Goodrich Company, Thirtieth street and Hopkins road, Milwaukee, Wis. Linseed oil.

The Goodyear Tire and Rubber Company, Akron, Ohio. Export offices, Akron, Ohio, and room 2727, 17 Battery place, New York. New York office, corner Jackson avenue and Honeywell street, Long Island City. Tires for aeroplanes, automobiles, bicycles, carriages, fire trucks and motorcycles; tubes, tire accessories and tire repair materials for automobiles; aeroplane and balloon supplies; balloons; "Wingfoot" rubber heels and "Neolin" soles; motorcycle tubes and tire accessories; rubber belting, conveyors (thick or padded cover), elevator belting, transmission belting (friction surface and rubber-covered); hose: water, gasoline, steam, air, chemical, cotton rubber-lined, braided, wrapped (fabric construction), suction, spray, rotary, dredging sleeves, mill, fire, garden, radiator, radiator connections, brewers', pneumatic tool, sand blast and hard rubber suction; rubber mats and matting; hydraulic and piston packings, sheet packing; tubing; respirators; tiling; oil well packers, gaskets, valves, diaphragms, horse shoe pads, mallets, safety ladder shoes, force cups and rubber bands. Foreign connections: Branch office, Havana, Cuba; Goodyear Tire and Rubber Company of South America, Buenos Aires, Rio de Janeiro and Montevideo; Goodyear Tire and Rubber Companies incorporated under the laws of Canada, Mexico, United Kingdom, Spain, South Africa, Java, Australia and New Zealand, with offices in the leading cities of these countries.

Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. India rubber gloves.

Gordon & Ferguson, Inc., St. Paul, Minn. New York sales office, 230 Fifth avenue. Furs, gloves, hats and caps. Cable address, "Gordon," St. Paul.

The Gorham Company, Fifth avenue and Thirty-sixth street, New York. Gold and silverware, bronzes and statuary, architectural and ornamental bronze, ecclesiastical silver and bronze, stained glass, marble and glass mosaics. Foreign agent: The Gorham Company, Avenida de Mayo, 1364, Buenos Aires, Argentina.

The H. W. Gossard Company, 1006 South Michigan avenue, Chicago, Ill. New York office, 334 Fourth avenue. "Gossard" front-lacing corsets and "Gossard" brassieres. Cable address, "Gossard," Chicago.

The Gotham Novelty Company, 37 West Twenty-sixth street, New York. Boys' wash suits. Cable address, "Gotnovco," New York.

Gould Coupler Company, 30 East Forty-second street, New York. Chicago office, The Rookery. M. C. B. freight, passenger, tender and pilot couplers; steel platforms with friction buffers; vestibules, tender and pilot spring buffers; spring buffer blocks for freight cars; malleable iron journal boxes; friction draft gears; cast steel bolsters and side frames; malleable iron castings; steel castings and "Gould" slack adjusters; "Gould Simplex" system electric car lighting and "Gould" storage batteries. Cable address, "Gouldcoup," New York.

The Goulds Manufacturing Company, Seneca Falls, New York. New York office, 16 Murray street. Pumps for every service: oil, gasoline, triplex power, hand, air, vacuum, pressure, rotary, centrifugal, piston, plunger, reciprocating, paper mill, fire and deep well. Cable address, "Glavis," Seneca Falls. All codes.

Graham Glass Company, Kentucky avenue and Southern railroad, Evansville, Ind. Selling agents, G. Amsinck & Co., 6 Hanover street, New York. Beer, soda and mineral water bottles.

Graham Nut Company, 1317 West Carson street, Pittsburgh, Pa. Bolts: machine, carriage, lag, button head, blank, tap and track; nuts: hot pressed, chamfered, trimmed and reamed cold punched, finished case hardened, semi-finished and castle; rivets and washers. Cable address, "Graham," Pittsburgh. Code, Western Union.

James Graham & Company, 293 Wooster street, New Haven, Conn. Brass, bronze, aluminum, Benedict nickel and copper castings, Benedict nickel screws, Benedict nickel fittings to order.

John H. Graham & Company, 113 Chambers street, New York. Hardware: builders', household, marine and saddlery; tool grinders, hollow handle tool sets; tools for barbers, blacksmiths, carpenters, contractors, electricians, linemen, machinists and pipe fitters, cement tools, farm and garden tools. Foreign branches: 118 Holborn, London, England; 418 George street, Sydney, Australia. Cable address, "Grahaines," New York. Codes, A B C and Western Union.

J. A. & S. W. Granbery, Inc., 31 East Kinney street, Newark, N. J. New York office, 9 Maiden lane. General line of 10-kt. gold jewelry.

Grand Rapids Hardware Company, 554 Eleventh street, Grand Rapids, Mich. "Grand Rapids" all-steel sash pulleys, axle pulleys and sash pulley mortising bits.

Grand Rapids Show Case Company, 100 Coldbrook street, Grand Rapids, Mich. Export office, 1465 Broadway, New York. Show cases, wall cases, clothing wardrobes, clothing cabinets, interchangeable units, etc.; a complete line of store fixtures.

Grand Rapids Veneer Works, Grand Rapids, Mich. Veneers from mahogany, quarter-sawn oak, bird's-eye maple, American and Circassian walnut, oak, ash, elm, maple, cherry, walnut, basswood (linn), birch, poplar and butternut; panels from all these woods; dry kilns for drying all kinds of wood; glue spreaders for power gluing. Cable address, "Veneerwork," Grand Rapids. Code, A B C Fourth edition.

Grander Stove Company, First avenue, Royersford, Pa. Stoves.

Grant-Lees Gear Company, 6901 Quincy avenue, Cleveland, Ohio. Automobile transmissions.

Grant Marble Company, Twenty-seventh and Canal streets, Milwaukee, Wis. Architectural marble work.

Grant Motor Car Corporation, Cleveland, Ohio. New York office, 1790 Broadway. Touring cars, roadsters, sedan touring cars and sedan roadsters.

The Grasselli Chemical Company, Guardian building, Cleveland, Ohio. Export office, 80 Maiden lane, New York. Acids: acetic, mixed acid for nitroglycerine and dynamite, muriatic, nitric, aqua fortis, electrolyte, sulphuric, oleum; aqua ammonia, sal ammoniac; chloride of barium; battery coppers; iron ore for blast furnace use, persulphate of iron (ferric sulphate); acetate of lead; lithopone; acetate of soda, bi-sulphate of soda, bi-sulphite of soda, calcined salt cake, Glauber's salt, hypo-sulphite of soda, phosphate of soda, sal soda, silicate of soda, sulphate of soda, sulphide of soda, sulphite of soda, tri-sodium phosphate; spray products: "Grasselli" arsenate of lead, Bordeaux mixture paste, Bordeaux-lead arsenate mixture paste, "Grasselli" lime sulphur solution; bi-chloride of tin, tin crystals or stannous acid; spelter: "High Grade," "Brass Special," "Prime Western," granulated spelter, battery zincs, chloride of zinc, sulphate of zinc, zinc anodes, zinc for sherardizing, zinc dust; soldering and tinning fluxes: "Eureka," "Standard," "Snow Flake" for electrical work, "Grasselli" tinning-acid phospate, complete fertilizers; metallic cadmium, cadmium sulphate and sulphide, cadmium anodes; "Grasselli's" depilatory; "Grasselli" metal pickle; liquid glue; pulverized silex for scouring soaps, etc.

The Graton & Knight Manufacturing Company, 356 Franklin street, Worcester, Mass. Branches: Atlanta, Boston, Chicago, Cleveland, Detroit, Fall River, Kansas City, Minneapolis, New Orleans, New York, Philadelphia, Pittsburgh, Portland, Ore., Seattle, St. Louis, and Leicester, England. Selling agents: Graton & Knight Mfg. Co., of Wis., Milwaukee, Wis.; Graton & Knight Mfg. Co., of Texas, Dallas, Tex.; Graton & Knight Mfg. Co., of Cal., San Francisco, Cal. Leather, leather belting, lace leather, belt cement, belt dressing, packings, pump leathers, washers, automobile leathers, hydraulic discs, strapping, halters, hame straps, horse shoe pads, hand leathers, leather mittens, leggins, aprons, counters, insoles, outsoles, box toes and welting. Foreign agents: Wallach Bros., Ltd., London, England; A. Finney & Co., Birmingham, England; Alphonse Weil & Bros., Paris, France; Reciprocity Supply Co., Havana, Cuba; Emilio F. Wagner & Co., Lima, Peru; The Canadian Fairbanks-Morse Co., Montreal, Quebec, St. John, Ottawa, Toronto, Hamilton, Winnipeg, Vancouver, and Victoria, Canada. Cable address, "Spaulding," Worcester. Codes, Western Union, A B C Fifth edition and Lieber's.

Graves, Manbert, George & Company, foot of Hertel avenue, Buffalo, N. Y. New York office, 5736 Grand Central Terminal. Lumber and lath: white pine, Norway pine and hemlock; box shooks.

Frank B. Graves Company, 34 Arch street, Albany, N. Y. Garnetted cotton, garnetted wool and worsted waste, absorbent cotton. Cable address, "Graves," Albany. Codes, A B C Fifth edition, Lieber's 1896, Western Union, and Shepperson's 1878, 1881 and 1915.

Gray-Hawley Manufacturing Company, 937 East Jefferson avenue, Detroit, Mich. Mufflers or silencers for combustion motors, cut out valves, lock pedals, gasoline filters, spark and throttle controls and other automobile accessories, marine mufflers, reverse gear controls, flagpoles, stair locks, lamps, whistles, valves, tanks, compressors, cat boat fittings, etc. Jobbers of antiseptic hair combs. Cable address, "Grahawley," Detroit. Code, Western Union.

Peter Gray & Sons, Inc., 286 Third street, East Cambridge, Mass. Lanterns, all kinds of sheet metal work and stampings. Jobbers of lantern globes, lamp trimmings, galvanized pails, etc.

Great Lakes Engineering Works, Detroit, Mich. Ships and ship repairing. Cable address, "Greatlakes," Detroit.

Great Southern Lumber Company, Bogalusa, Washington Parish, La. Eastern sales agents, Goodyear Lumber Co., 2 Rector street, New York. Long leaf pine structural timbers in all grades and sizes; piling in lengths up to 110 feet, creosoted if desired; sawn or hewn heart long leaf pine ties; long leaf pine factory flooring; treated or untreated pine blocks for street paving or factory flooring; long leaf railroad and car material to meet any standard specifications; lath; box shooks; crates; shingles; fence posts, creosoted if desired. All marketed under "Bogalusa Brand." Foreign agents: Tagart, Beaton & Co., 47 King William street, London, England; Stahl & Zoon, P. O. Box 362, Rotterdam, Holland. Cable address, "Bogalusa," Louisiana.

Great Western Manufacturing Company, 1109 Washington street, La Porte, Ind. Bicycles, Fauber crank hangers, sprockets. Cable address, "Lonn," La Porte. Code, Lieber's.

William Green, 627 West Forty-third street, New York. Printing and pamphlet binding.

Green's Car Wheel Manufacturing Company, St. Louis, Mo. Light gray iron castings, heavy machine iron castings, railroad and shop cannon heating stoves.

R. L. Greene Paper Company, 50 Fountain street, Providence, R. I. Paper: bond, writing, ledger, manila, fibre, kraft, rag book, tissue, onion skin, coated book, blotting, jute and manila tag, bristol, toilet, roofing, ruled goods; envelopes. Jobbers of twine, building materials, roofings and asphalt shingles, asbestos products of all kinds.

Stephen Greene Company, Arch and Sixteenth streets, Philadelphia, Pa. General printing, lithographing, blank books and greeting cards.

Greenfield Tap and Die Corporation, Greenfield, Mass. New York office, 28 Warren street. Screw cutting tools, machines, etc.: taps, dies, screw plates, reamers, gauges for measuring screw threads as well as inside and outside surfaces, limit gauges, automatic opening die heads, pipe threading tools, threading machines, tap wrenches. Cable address, "Getede," Greenfield. All codes.

E. Greenfield's Sons, 200 Fifth avenue, New York. Factory, 107 Lorimer street, Brooklyn, N. Y. Confectionery, principally high-grade chocolates. Cable address, "Cupidport," New York. Code, A B C Fifth edition.

Greenpoint Metallic Bed Company, 226 Franklin street, Brooklyn, N. Y. Brass and iron beds, cribs, institution and iron folding beds, costumers, cots, divans and washstands. Cable address, "Gremetco," New York.

The Gregg Company, Ltd., Hackensack, N. J. Export office, 80 Wall street, New York. Cars, track and railway equipment; cane handling appliances: cars for cane, sugar, wood, coal, earth, etc., portable track, frogs, switches, cane unloaders and derricks, field transfer derricks; steel tanks and smokestacks. Foreign offices and warehouses: The Gregg Co. of Cuba, 18 Aguiar street, Havana, Cuba; The Gregg Co., Ltd., Alakea street, Honolulu, Hawaii; Korber & Co., San Juan, P. R.; Pacific Commercial Co., Manila, P. I. Cable address, "Cargregg," New York, Havana, Honolulu or San Juan. Codes, A B C Fifth edition, Lieber's, Western Union, Engineering and private.

Gregory Mayer Thom Company, 19 Cadillac square, Detroit, Mich. Stationery.

L. Greif & Brother, Eutaw and German streets, Baltimore, Md. New York office, 200 Fifth avenue. Men's clothing.

The Greist Manufacturing Company, 446 Blake street, New Haven, Conn. Contract manufacturers of mechanical specialties, such as sewing machine attachments and parts, sheet metal stampings and screw machine products. Cable address, "Greist," New Haven. Codes, A B C Fourth and Fifth editions.

The Griess-Pfleger Tanning Company, 810 Sycamore street, Cincinnati, Ohio. Tanneries, Chicago, Ill. New York office, 178 William street. Chrome tanned upper leathers from calf and kip skins; "Lozant" brand in smooth black and boarded finish; white and colored buck. Cable address, "Griess," Cincinnati.

Griffin Wheel Company, 332 South Michigan avenue, Chicago, Ill. Export office, Boston, Mass. Chilled iron car wheels for steam and street railway service. Cable address, "Griffwheel," Chicago. Code, Western Union.

John J. Griffin & Company, 1513 Race street, Philadelphia, Pa. Gas meters.

Grinnell Brothers, 243 Woodward avenue, Detroit, Mich. Pianos. Jobbers of "Victor" talking machines and records.

Griswoldville Manufacturing Company, 75 Worth street, New York. Bleached absorbent surgical gauze, bleached cheese-cloth, white and colored buntings, unbleached cheese-cloth and buntings, 32" checks for mosquito nets, gauze and muslin bandages for surgical use, crinoline for plaster paris bandages.

The Grosser Knitting Machine Company, 260 West Broadway, New York. Knitting machines of all kinds, both hand and power, and supplies. Jobbers of needles, jacks, sewing machines, hosiery machines and loopers. Cable address, "Grosserkni," New York. Codes, A B C Fifth edition and Lieber's.

The D. Gruen, Sons & Company, Cincinnati, Ohio. Complete watches. Foreign agents, Gruen Watch Manufacturing Co., Bienne, Switzerland. Cable address, "Gruen," Cincinnati.

Paul Guenther, Inc., Dover, N. J. Silk hosiery.

Gulf Cooperage Company, Frick building, annex, Pittsburgh, Pa. Cooperage.

Gulf Lumber Company, Seventh and Division streets, East St. Louis, Ill. Building material, timbers, ties, Southern yellow pine, red cypress and oak lumber, turpentine and rosin. Cable address, "Pitchpine," St. Louis. Codes, Lieber's, A B C, Bentley's or any one issued.

Gulf Refining Company, Frick Annex building, Pittsburgh, Pa. Export office, Port Arthur, Texas. New York office, Battery Park building. Everything from crude petroleum. Foreign agent: H. E. Watson, 10 Rue Thimonnier, Paris, France.

Gulf States Steel Company, 1029 Brown-Marx building, Birmingham, Ala. Basic pig iron; basic open hearth steel ingots, blooms, billets, slabs; wire rods, nail wire, annealed wire, galvanized wire, varnished fence wire, bed spring wire, telegraph and telephone wire, market wire, rivet and screw wire; wire nails; wire staples; barbed wire; woven wire field fence; wire spikes; wagon tire; steel bars, rounds, squares, flats; plain and twisted square concrete bars. Cable address, "Gulfsteel," Birmingham, Ala. Codes, Western Union, Lieber's and A B C Fifth edition.

Gulick-Henderson Company, 15 Park row, New York. Supervisors of construction, packing and shipping of orders for machinery, railroad and power plant equipment, metals, chemicals, textiles, footwear, etc., placed in the United States. Cable address, "Gulderson," New York. Code, Western Union.

John Gund Brewing Company, La Crosse, Wis. Lager beer and brewers' dried grains.

The Gunn Furniture Company, Grand Rapids, Mich. Sectional bookcases, office desks. Cable address, "Gunn," Grand Rapids. Codes, A B C and Simplex.

Hervey E. Guptill, Haverhill, Mass. New York office, 78 Reid street. Ladies' boots and shoes.

W. & L. E. Gurley, Troy, N. Y. Branch sales office and factory, Seattle, Wash. Field instruments for civil, military, mining and hydraulic engineers, land surveyors, architects and contractors: theodolites, transits, compasses, levels, plane tables, alidades, sketching cases, solar attachments, Beaman stadia arc hook gauges, railroad cross-sectioning instruments, leveling rods, stadia rods and boards, flagstaffs, range poles, hand levels, tripods, current meters (for stream gauging), automatic water stage registers; standard precision weights and measures. Jobbers of drawing instruments and supplies, scientific books, slide rules, prismatic compasses, clinometers, aneroid barometers, anemometers, air meters, field glasses, prism binoculars, telescopes and rain gauges. Cable address, "Gurley," Troy. Codes, Western Union, A B C Fifth edition and private.

Gurney Heater Manufacturing Company, 188 Franklin street, Boston, Mass. New York office, 11 East Forty-second street. Steam and hot water heating boilers and radiators, heating specialties. Jobbers of heating accessories. Cable address, "Gurney," Boston. Codes, Western Union, Lieber's and A B C.

The Gutta Percha and Rubber Manufacturing Company, 126 Duane street, New York. A full line of rubber goods for mechanical purposes. Cable address, "Spadone," New York.

Guyer-Roelofs Company, Twelfth and Brown streets, Philadelphia, Pa. Stiff and soft fur felt hats for men.

H. & B. American Machine Company, Pawtucket, R. I. Cotton mill machinery. Cable address, "Bullough," Pawtucket. Codes, A B C and Western Union.

C. H. Haberkorn & Company, 279 West Elizabeth street, Detroit, Mich. High-grade library tables, furniture novelties, fine cabinet work, automobile steering wheels and other specialties.

Haddorf Piano Company, Rockford, Ill. Grand pianos, upright pianos and player-pianos.

Haenichen Brothers Silk Company, Paterson, N. J. New York office, 38 East Twenty-fifth street. Tie silks, umbrella silks. Cable address, "Haenichen," Paterson.

Halcomb Steel Company, Syracuse, N. Y. New York office, 95 Liberty street. Tool steel, high-speed steel, permanent magnet, drill rods, needle wire, alloy steels for automobile and aeroplane, cutlery steel sheets, forgings.

Hale & Kilburn Company, 1800 Lehigh avenue, Philadelphia, Pa. New York office, 30 Church street. Railway car seats, car seat accessories, rattan seat covering, steel pressings. Foreign agents: G. D. Peters & Co., Moorgate Works, Moorfields, London, England; Ralph M. Wiggin, Mexico City, Mexico. Cable address, "Haleburn," Philadelphia. Codes, Western Union, A B C Fifth edition and Lieber's.

John M. Hale-Boardman, Inc., 120 Liberty street, New York. Toothpicks and shoe pegs. Cable address, "Abella," New York. Code, Western Union.

Hall, Hartwell & Company, 547 River street, Troy, N. Y. New York office, 86 Franklin street. Men's shirts, collars and cuffs.

The Hall Lace Company, 50 Union square, New York. Factory, Jersey City, N. J. Laces, veilings, dress nets, etc., silk and fabric gloves, glove-silk underwear. Cable address, "Hall," Jersey City. Code, A B C Fifth edition.

Hall & Ruckel, 215 Washington street, New York. Proprietors of and sole agents for medicinal preparations, toilet articles, etc.; specialties: "Sozodont," "Sozodont Tooth Powder," "Sozodont Tooth Paste," "Spalding's Glue," "Madam Porter's Cough Balsam," "Dr. Zadoc Porter's Bitters," "Olive Tar," "Mitchell's Eye Salve," "Sargent's Sozoderma Soap," "X. Bazin's Shaving Cream," and other X. Bazin's toilet preparations. Foreign agents: Fassett & Johnson, London, England; Lyman's, Ltd., Montreal, Canada; Daube & Co., Valparaiso, Chile; A. J. Colven, Buenos Aires, Argentina. Cable address, "Sozodont," New York. Codes, A B C, Lieber's and Western Union.

The Hall's Safe Co., Cincinnati, Ohio. Export agents, The Walker Safe Co., Inc., 388 Broadway, New York. Safes, vaults and safe deposit outfits. Cable address, "Hallsafe," New York. Any code.

Amos H. Hall & Sons, 2915 North Second street, Philadelphia, Pa. All kinds of wooden tanks.

Frank A. Hall & Sons, 120 Baxter street, New York. Box springs, wire springs, divans, cots, hair mattresses, elastic cotton felt mattresses, down and cotton comfortables, feather and down pillows, brass and iron bedsteads, hospital bedsteads and tables, metallic washstands.

The J. C. Hall Company, Providence, R. I. "Sisson's Magic Binders," a filing device for single sheets.

W. F. Hall Printing Company, Kingsbury and Superior streets, Chicago, Ill. Printers and binders of catalogues and magazines.

Hallett & Davis Piano Company, 146 Boylston street, Boston, Mass. New York office, 18 East Forty-second street. Upright pianos and player-pianos.

E. S. Halsted Company, 64 Pearl street, New York. Burlap and cotton bags. Cable address, "Eshalco," New York. Code, A B C Fifth Improved edition.

Louis Hamburger & Company, 91 Fifth avenue, New York. Veils, veilings, nets, laces and crêpes. Cable address, "Khalizog," New York. Code, Lieber's.

The Hamilton Foundry and Machine Company, Hamilton, Ohio. Light grey iron castings.

The Hamilton Manufacturing Company, Two Rivers, Wis. Furniture for printers, drafting rooms and dental offices. Cable address, "Woodtype," Two Rivers.

Hamilton Rubber Manufacturing Company, Trenton, N. J. Export office, 149 Church street, New York. New York office, 150 Nassau street. Mechanical rubber goods, automobile tires and tubes.

Hamilton Trading Company, Inc., 41 Union square, New York. Cotton dress nets. Jobbers of embroidery, laces, cotton goods and various textiles. Cable address, "Hamtrad," New York.

J. T. & A. Hamilton Company, Twenty-sixth street and A. V. R. R., Pittsburgh, Pa. Flint glass prescription and panel bottles, milk bottles, wine and liquor bottles, beer and water bottles.

S. M. Hamilton Coal Company, room 104, Marine Bank building, Baltimore, Md. New York office, 1 Broadway. Miners and shippers of bituminous coal and coke. Cable addresses, "Hamilton," Baltimore; "Hamilcoal," New York.

Hammermill Paper Company, Erie, Pa. New York office, 291 Broadway. "Hammermill" paper: bond, safety paper, ledger and cover. Export agents: A. M. Capen's Sons, Inc., 60 Pearl street, New York; Parsons & Whittemore, 174 Fulton street, New York; U. S. Paper Export Assn., 30 Broad street, New York.

The Hammerschlag Manufacturing Company, Garfield, N. J. New York office, 234 Greenwich street. Waxed paper and "Hammer" parchment. Cable address, "Wryhollow," New York. Code, A B C.

Hammill & Gillespie, 240 Front street, New York. Barytes sulphate and carbonate, china clay, whiting, Paris white, magnesite, soapstone slabs and powder, talc powder, ground glass, powdered minerals, terra alba, rotten stone powder, etc. Jobbers of ball clay, imported china clay, bath bricks, Cornwall stone, feldspar, pumice stone, etc. Foreign agents: Peter R. McQuie & Son, 19 South John street, Liverpool, England. Cable address, "Gillespie," New York. Codes, A B C Fifth edition and private.

Hammond, Knowlton & Company, 120 East Sixteenth street, New York. Silk threads for all purposes.

Hammond Lumber Company, 260 California street, San Francisco, Cal. New York office, 71 Broadway. California redwood and Oregon pine or Douglas fir lumber, doors, windows, sash, frames, shingles, shakes, mouldings, columns, etc. Cable address, "Hamlumco," San Francisco. Codes, Western Union, American Lumberman and A B C Fifth edition.

Hampden Glazed Paper and Card Company, Holyoke, Mass. New York selling agent, room 606, 41 Park row. "Sunburst" covers, "Algonkin" covers deck edge, "Kwasind" covers; photographic mounts; cardboard for printers' use; coated blotting paper; glazed papers, flint papers, plate papers, embossed papers, waterproof embossed papers and fancy embossed papers.

Hampshire Paper Company, South Hadley Falls, Mass. Bond writing paper. Foreign agents: L. S. Dixon & Co., Ltd., London and Liverpool; R. L. Tanner & Co., Ltd., London, and Geo. Watson & Co., London, England; Duncan, Campbell & Co., Ltd., Glasgow, Scotland; Gumaelius & Komp, Stockholm, Sweden; Buntin, Gillies & Co., Hamilton, Ont., Clark Bros. & Co., Winnipeg, and Smith, Davidson & Wright, Ltd., Vancouver, B. C., Canada; export agents for Mexico, Porto Rico, Cuba, Central America and South America, National Paper and Type Co., 32 Burling slip, New York. Cable address, "Hampshire," Holyoke. Code, Western Union.

Hanan & Son, Front and Bridge streets, Brooklyn, N. Y. Men's and women's fine shoes. Foreign agents: A. D. Pinkerton & Son, 19 Fore Street avenue, London, England; Alfred Rouziere, 102 Faubourg Poissonniere, Paris, France; Rudolph Freund, S. W. 29, Gneisenaustrasse 94, Berlin, Germany. Cable address, "Hananshoe," Brooklyn.

John Hand & Sons, Inc., Paterson, N. J. New York agents, J. Kridel Sons & Co., 390 Fourth avenue. Ribbons, dress silks and tie silks.

The Handel Company, 381 East Main street, Meriden, Conn. New York office, 200 Fifth avenue. Electroliers and electric and gas reading lamps for library, piano, desk, boudoir and floor standards; decorated glassware for all styles of lighting; lighting fixtures for residences, mercantile houses and public buildings. Foreign agent: Geo. E. Willard, Rivadavia 1385, Buenos Aires, Argentina. Cable address, "Handel," Meriden. Codes, A B C Fifth edition and Lieber's.

Handy & Harman, 59 Cedar street, New York. Silver bullion (bars various sizes); granulated silver, 999 fine; silver anodes for plating, 999 fine; sheet sterling, 927 fine, rolled to size and thickness required; bar gold and ribbon gold; karat gold; silver solder; fine and sterling wire; smelters and refiners of gold, silver and platinum. Cable address, "Interlink," New York. Code, private.

P. H. Hanes Knitting Company, Main street, Winston-Salem, N. C. Selling agents, Clift & Goodrich, 80 Leonard street, New York. Men's cotton knit underwear, shirts, drawers and union suits, in winter weights only; boys' cotton knit union suits in winter weights only.

M. A. Hanna & Co., 1300 Leader News building, Cleveland, Ohio. Pig iron, Lake Superior iron ore; coal and coke. Cable address, "Hanna," Cleveland. Codes, Western Union and Atlantic Directory.

Hannahs Manufacturing Company, Kenosha, Wis. Parlor and library tables.

O. C. Hansen Manufacturing Company, Detroit and Milwaukee streets, Milwaukee, Wis. Gloves, gauntlets and mittens for dress, autoing, driving and work. Cable address, "Nesnah," Milwaukee.

Harbison-Walker Refractories Company, Farmers Bank building, Pittsburgh, Pa. New York office, 31 Nassau street. Brick: fire clay, silica, magnesite and chrome. Cable address, "Harwalk," Pittsburgh. Codes, Western Union and A B C.

Harbison & Gathright, 709 West Main street, Louisville, Ky. Saddles, harness, horse collars and strap goods. Jobbers of leather, saddlery hardware, horse clothing, lap robes, automobile accessories and tires. Cable address, "Hargath," Louisville. Code, Western Union.

H. B. Hardenburg & Company, 70 Washington street, Brooklyn, N. Y. Advertising goods in leather and metal: memorandum books, match boxes, pocket cigar cases, desk calendars, pocket diaries, toilet mirrors, pocket books, card cases, etc.; coin purses. Cable address, "Nimbose," New York. Code, A B C.

Hardie-Tynes Manufacturing Company, Eighth avenue and Twenty-eighth street, Birmingham, Ala. Corliss engines, slide valve engines, mining hoists both steam and motor driven, evaporator and multiple effect castings, heavy gear wheels, steam separators and heavy castings. Cable address, "Hartyne," Birmingham. Code, Western Union.

Harding Cream Company, 808 Harvey street, Omaha, Neb. Chicago office, 186 North LaSalle street. Butter, ice cream and canned eggs.

Hardman, Peck & Company, 433 Fifth avenue, New York. "Hardman," "Harrington" and "Hensel" pianos; "Hardman Autotone," "Harrington Autotone" and "Playotone." Jobbers of "Edison Diamond Disc" and "Columbia" phonographs and "Pathephone." Cable address, "Hardman," New York.

The Harkness & Cowing Company, St. Bernard station, Cincinnati, Ohio. Stearic acid, saponified red oil, crude glycerine. Cable address, "Harking," Cincinnati. Codes, Lieber's and Simplex.

Harlan & Hollingsworth Corporation, Wilmington, Del. New York office, Trinity building. Steel steamships and steamboats, marine engines and boilers; all steel, wood or composite passenger, baggage and mail cars, private cars, sleeping and dining cars. Foreign agents: Norton, Megaw & Co., Ltd., London, England, and Rio de Janeiro, Brazil. Cable address, "Harlan," Wilmington. Codes, A 1, A B C Fifth Improved, General Telegraphic and Lieber's.

The Harley Company, Page boulevard, Springfield, Mass. Brass, bronze and aluminum castings; brass and bronze bushings.

Harrington & Richardson Arms Company, 320 Park avenue, Worcester, Mass. Arms, automatic pistols, firearms, shotguns, pistols, revolvers, police goods as handcuffs, leg irons and twisters. Foreign agents: John H. Graham & Co., 113 Chambers street, New York; 118 Holborn, London, England; 418 George street, Sydney, Australia; Cowdrey & Co., 17 Battery place, New York. Cable address, "Firearms," Worcester. Code, Western Union.

Edwin Harrington, Son & Company, Inc., southeast corner Seventeenth and Callowhill streets, Philadelphia, Pa. Export office for chain hoists only, Benj. Whittaker, 21 State street, New York. Radial drills, upright drills,

thread-chain hoists, milling machines, tapping machines, stay-multiple spindle drills, bolt threading and reducing machines, upright drills, pipe straightening machines, machine tools, pipe cutting-off machines, gear, cutting, extension bed gap lathes, traveling cranes, trolleys and overhead tramways. Cable address, "Tools," Philadelphia. Code, Lieber's.

Harris Emery Company, 45 East Seventeenth street, New York. White and colored flannels, wool shirtings, wool dress goods, carriage linings.

T. A. Harris Co. (Continental Dye Works), 151 West Thompson street, Philadelphia, Pa. Dyers of woolen and cotton yarns, textile fabrics, etc.

Harrisburg Foundry and Machine Works, Seventh and Cartin streets, Harrisburg, Pa. Export office, 2 Rector street, New York. Stationary steam engines: uniflow, piston valve, Corliss and special duty; gray iron castings. Cable address, "Harengine," Harrisburg. Codes, A B C Fourth edition and Western Union.

Harrisburg Shoe Manufacturing Company, Fourteenth and Vernon streets, Harrisburg, Pa. Women's, misses' and children's shoes.

Harrison Safety Boiler Works, Seventeenth street and Alleghany avenue, Philadelphia, Pa. New York office, 50 Church street. "Cochrane" steam and oil separators, open-feed water hearters, feed water meters (U-notch type); "Sorge-Cochrane" hot process water softeners; "Cochrane" back pressure and atmospheric relief valves; "Creasey" ice breakers. Foreign agents: Canadian Allis Chalmers, Ltd., Toronto, Canada. Cable address, "Wharhall," Philadelphia. Code, Lieber's Five Letter.

Harrison & Gore Silk Company, Newburgh, N. Y. Broad silk goods.

L. E. Harrower, Amsterdam, N. Y. Cotton knit underwear.

Hart Grain Weigher Company, corner Eaton and Water streets, Peoria, Ill. Grain weighers, loaders and baggers for use on threshing machines; band cutters and self-feeders for use on threshing machines; "Hart" portable grain elevators and "Hart" bucket elevators (inside) for handling ear corn and small grain, "Cyclone" portable and "Hart" stationary small grain elevators.

The Hart Manufacturing Company, 2315 East Twentieth street, Cleveland, Ohio. "Duplex" and "Buckeye" die stocks for pipe, "Duplex" bolt die stock sets, pipe die stocks, bolt die stocks, thread cutting tools, stocks and dies. Cable address, "Hartolio," Cleveland.

Hart Manufacturing Company, Hartford, Conn. New York office, 30 Church street. "Diamond H" electric switches and appliances. Foreign agents: Hart Manufacturing Co., 77 Rochester row, London, England. Cable addresses, "Hartmanco," London; "Hartco," Hartford. Codes, Lieber's and A B C Fifth edition.

The Hart & Hegeman Manufacturing Company, 342 Capitol avenue, Hartford, Conn. Electrical snap switches, push switches, knife switches, sockets, plug cut-outs, fuses, attachment plugs, flush receptacles and sundry wiring devices. Foreign agents: Charles A. Pope, Ave. de Mayo, 1364, Buenos Aires, Argentina; Boswell & Co., 51 York street, Sydney, Australia; José E. Mustelier, Apartado 2347, Havana, Cuba. Cable address, "Hegeman," Hartford. Codes, Western Union, Lieber's and A B C.

Hart & Murphy, Eighth and Jackson streets, St. Paul, Minn. Cigars. Cable address, "Hart," St. Paul.

The Hartford Machine Screw Company, 476 Capitol avenue, Hartford, Conn. New York office, 409 Broome street. Set and cap screws, S. A. E. standard screws and nuts, taper pins, studs, nuts, special screw machine products of all kinds, "Master" calorite spark plugs for gasoline engines, "Master" electric tire pumps, etc. Cable address, "Fairfield," Hartford.

The Hartford Rubber Works Company, 691 Park street, Hartford, Conn. Export office, 1790 Broadway, New York. New York office, Broadway and Fifty-eighth street. Automobile tires.

The T. M. Harton Company, 2214 Farmers' Bank building, Pittsburgh, Pa. Pleasure gravity rides and carousels.

Stewart Hartshorn Company, 250 Fifth avenue, New York. Factory, East Newark, N. J. Curtain fixtures, shade and blind rollers, window shades. Foreign agents: Jno. G. Rollins & Co., Ltd., Old Swan wharf, London, England; Edgar Bloxham, 12 Rue de Delta, Paris, France. Cable address, "Hartshorn," New York. All codes.

Geo. W. Hartzell, South avenue, Piqua, Ohio. American black walnut lumber, black walnut gun stocks, black walnut for aeroplane propellers; also export black walnut veneer logs. Cable address, "Hartzell," Piqua. Codes, Western Union and A B C Fifth edition.

G. F. Harvey Company, Saratoga Springs, N. Y. Regular pharmaceuticals for physicians' use. Jobbers of surgical supplies. Foreign agents: Thos. Christy & Co., London, England.

Haskell Silk Company, 98 Bridge street, Westbrook, Me. New York office, 440 Fourth avenue. Broad silks, dress goods and linings.

William H. Haskell Manufacturing Company, 24 Commerce street, Pawtucket, R. I. New York office, 50 Church street. Cold punched nuts, finished case hardened hexagon nuts, semifinished hexagon nuts, machine bolts, gimlet point coach screws, stud bolts, cap and set screws, washers and cold punchings. Cable address, "Haskell," Pawtucket. Code, Western Union.

John Hassall, Inc., 402 Oakland street, Brooklyn, N. Y. Wire nails in steel, brass, copper, German silver and aluminum; rivets in iron, brass, copper, German silver and aluminum; rolled thread machine screws, escutcheon pins.

The Hastings Pavement Company, 25 Broad street, New York. Asphalt paving blocks and tiles. Cable address, "Hastinpaco," New York. Code, Western Union.

The Haughton Elevator and Machine Company, Toledo, Ohio. Passenger and freight elevators.

Havell Manufacturing Company, 284 Washington street, Newark, N. J. Fancy metal goods, manicure steels and mountings, cutlery, corkscrews, buttonhooks, shoe horns, patented novelties; sheet metal goods in brass or steel and all finishes.

Haviland Shade Roller Company, 407 Broome street, New York. Spring shade rollers. Cable address, "Neviland," New York. Code, Western Union.

T. G. Hawkes & Company, 75 West Market street, Corning, N. Y. Cut, engraved, silver mounted and gold decorated, etc., glassware.

Hawkeye Pearl Button Company, Muscatine, Ia. New York office, 930 Broadway. Fresh-water pearl buttons. Foreign agents: Cirilo Alvarez Gonzalez, Cuba 108, Havana, Cuba; Leopoldo Yanez & J. Tirado Hijo, Caracas, Venezuela; Graziana Roda, Corso Indipendza 11, Milan, Italy; Wm. Lewis, 316 Pitt street, Sydney, Australia. Cable address, "Hawkeye," Muscatine. Codes, A B C Fifth edition and Lieber's.

Hawthorne Manufacturing Company, Inc., 35 Spruce street, Bridgeport, Conn. "Old Sol" lighting systems for automobiles, motorcycles, bicycles, carriages, motorboats, hand use, cars, delivery vans, cycle cars and trucks. Cable address, "Hawmanco," Bridgeport. Code, Lieber's.

The Haydenville Company, 1 Main street, Haydenville, Mass. Export office, 150 Nassau street, New York. Plumbing brass goods: bibbs, faucets, cocks, stops and valves. Cable address, "Hayden," New York. Codes, A B C, Lieber's and Western Union.

The Hayes Manufacturing Company, Detroit, Mich. Automobile bodies, fenders, hoods, sheet metal parts and stampings.

Hayes Wheel Company, Jackson, Mich. Automobile wheels.

Haynes Automobile Company, South Main street, Kokomo, Ind. Export office, 1715 Broadway, New York. Automobile pleasure vehicles. Foreign agents: Mammen & Drescher, Kongensgade 118, Copenhagen, Denmark; Hijos de Fumagalli, 84 Cuba street, Havana, Cuba; H. Englebert & Co., 71 Bezuidenhout, The Hague, Holland; Atlas Commercial Co., 40 Villa street, Ponce, Porto Rico; Alfred Benzon & Co., Malmo, Sweden; Frederick de Sousa, 82 Beaver street, New York, for Trinidad, B. W. I.; T. E. Shiel & Co., Stafford street, Dunedin, and Caselberg & Co., 10 Branden street, Wellington, New Zealand; Mauritius Buying Agency, Port Louis, Mauritius; A. J. Hernandez, Sur No. 3, Num. 7, Caracas, Venezuela; P. H. T. Schmidt, Bergen, Norway; Hernan Vijil O., Valparaiso, Chile; Pinto, Baste & Leite, 369 Rua dos Heroes de Chaves, Porto, Portugal; Butterosi Syndicate, 9 Avenue de L'Opera, Paris, France; Manuel Romero Raggio, Corredor de Comercio, Malaga, Spain. Cable address, "Autohaynes," New York. Codes, Lieber's and Western Union.

Hays Manufacturing Company, West Twelfth street, Erie, Pa. Brass and iron goods for plumbing, water, gas and steam; tapping and drilling machines for water and gas mains. Cable address, "Haysco," Erie, Pa.

Haytock-Cronemeyer Company, Sixteenth and Butler streets, Easton, Pa. New York office, C. Cronemeyer & Co., 357 Fourth avenue. Broad silks.

The Hayward Company, 50 Church street, New York. Grab buckets, orange peel, clam shell, drag scraper; dredging machinery; excavating machinery. Cable address, "Thehayco," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

Hazard Manufacturing Company, 81 East Ross street, Wilkes-Barre, Pa. Export office, 533 Canal street, New York. Wire rope, iron, steel and galvanized; galvanized steel strand; wire rope fittings; wire. bare copper, insulated, rubber covered, magnet, weatherproof, annunciator; cables: insulated, lead encased, submarine, telephone, circular loom. Cable address, "Hazmaco," Wilkes-Barre. Codes, Western Union and A B C.

Hazel-Atlas Glass Company, Wheeling, W. Va. New York office, 25 Broadway. Fruit jars; tumblers; bottles for jams, olives, pickles, inks; various wide mouth jars for packers' uses; ointment pots and cold cream jars; metal caps of zinc, aluminum and tin; also rolled sheet zinc. Foreign agent: C. J. Pratt, National Glass Co., 1 Charterhouse street, London, E. C., England. Cable address, "Hazel," Wheeling. Code, Western Union.

Heath & Milligan Manufacturing Company, 1833 Seward street, Chicago, Ill. New York office, Room 1522, 111 Broadway. Ready mixed house paints, floor paint and barn and roof paints; cement and brick coating; flat interior wall finish; marine, railway and building paints; steel preservatives; mill whites; colors in oil and in japan; automobile and buggy paints; liquid enamels; oil stains, varnish stains and wood fillers. Cable address, "Heathmill," Chicago.

Edmund F. Heath & Son, Newark, N. J. "Cock Brand" enameled and rubber carriage cloths. Cable address, "Heath," Newark. Code, Western Union.

Hecla Iron Works, 118 North Eleventh street, Brooklyn, N. Y. Architectural and ornamental iron and bronze work, such as front work for buildings, stairs, elevator enclosures and elevator cars; windows; railings; gates; bronze bank counter screens, bronze doors, etc.

Hedden Iron Construction Company, 30 Church street, New York. Fabrication of all kinds of structural iron and steel.

C. M. Hedden Company, 232 Thirteenth avenue, Newark, N. J. Men's soft fur felt hats. Cable address, "Hedon," Newark.

The Heekin Can Company, Sixth, New and Culvert streets, Cincinnati, Ohio. Lithographed metal sheets; lard pails, coffee cans, polish boxes, cigar cans, sheet metal ware, all either plain or lithographed. Cable address, "Heecanco," Cincinnati. Code, Western Union.

The Hegeler Zinc Company, Danville, Ill. Smelters' spelter and sulphuric acid.

Henry Heide, Inc., 313 Hudson street, New York. Candy, almond paste, peanut butter, marshmallow cake filler. Foreign agents: James Methven, Son & Co., Ltd., London House, Crutched Friars, London, England; Frontera Guardiola & Co., Avenida de Mayo 1079, Buenos Aires Argentina; M. S. Sciaky, 31 Rue Sophocles, Athens, Greece. Cable address, "Lilacine," New York. Codes, A B C Fifth edition and Western Union.

Heidelberg, Wolff & Company, 644 Broadway, New York. Men's and young men's suits, overcoats, raincoats and slip-ons, chauffeur garments, auto great coats, auto dusters, aviation clothing, dress suits, full dress and fancy vests, Norfolk and golf garments; summer clothing, outing trousers, tropical clothing, mohair suits, smoking jackets, dressing gowns, bathrobes, polo and waistcoats, riding breeches and togs, liveries. Cable address, "Heidwolff," New York.

Heidenkamp Plate Glass Company, Springdale, Pa. Polished plate glass.

Heineman Chemical Company, Olean, N. Y. Acetate of lime, wood alcohol and charcoal.

H. J. Heinz Company, Pittsburgh, Pa. Pickles, preserves, vinegars, baked beans, soups, prepared spaghetti, tomato ketchup, sauces, relishes, condiments. Cable address, "Heinz," Pittsburgh. All principal codes.

A. H. Heisey & Company, Newark, Ohio. New York office, Fifth Avenue building. All kinds of pressed and blown glassware of the highest grade for the table. All wares stamped with trade mark "H" in a diamond.

Heller Brothers Company, 865 Mt. Prospect avenue, Newark, N. J. Horse rasps, files, farriers' and blacksmiths' tools, machinists' hammers, carpenters' pincers, high speed steel and all other grades of tool steel. Cable address, "Heller," Newark. Code, Western Union.

Heller Hardt Hatband Company, Beech and Essex streets, Paterson, N. J. New York office, 28 West Fourth street. Hatbands.

The Heller & Merz Company, Hamburg Place, Newark, N. J. New York office, 503 Hudson street. Aniline colors, barrel paints, laundry bluing, dyeing materials, lithopone, pigments, ultramarine, vegetable and animal colors. Cable address, "Merz," New York. Codes, A B C, Atlantic Directory and Lieber's.

I. Heller & Company, 116 West Thirty-second street, New York. Dresses for stout women and "Lamater" maternity dresses.

The Hellwig Silk Dyeing Company, Southwest corner of Ninth and Buttonwood streets, Philadelphia, Pa. Skein silk dyers. Cable address, "Knup," Philadelphia.

Helmholz Mitten Company, Cudahy, Wis. Leather gloves and mittens.

Hemingray Glass Company, Second street and Madison avenue, Covington, Ky. Glass insulators for telephone, telegraph, electric light and railways.

Hemphill Manufacturing Company, 131 Clay street, Pawtucket, R. I. Automatic hosiery machines. Foreign agents: Wildman Mfg. Co., Norristown, Pa.; C. K. Hing Co., 511 Shanghai street, Yaumatai, Hong Kong, China. Code, Lieber's.

Hemsher Metal Company, 18 Rapelyea street, Brooklyn, N. Y. Castings of brass, bronze, copper, aluminum and German silver.

Hendee Manufacturing Company, State street, Springfield, Mass. "Indian" motocycles, bicycles, side cars, commercial cars and component parts of these articles. Branches: Chicago, Ill.; London, England; Toronto, Canada; Melbourne, Australia; Johannesburg and Durban, South Africa. Cable address, "Hendee," Springfield. Codes, A B C Fifth edition and Western Union.

The Henderson-Ames Company, Kalamazoo, Mich. Uniforms and equipment of every description, costumes, regalia and paraphernalia for all secret societies. Cable address, "Hendames," Kalamazoo. Code, Western Union.

The Henderson Lithographing Company, Station "H," Cincinnati, Ohio. New York office, 621 Broadway. Special lithographic work in all grades and varieties; calendars, fans, post cards, booklets, folders, blotters, religious subjects, pictures for framing, novelties, labels for perfume, soap, candy, cigars, etc., stationery for all purposes. Cable address, "Henlith," or "Henlitho," Cincinnati. All codes.

Henderson & Ervin, 846 Broadway, New York. Men's athletic summer union suits, shirts and drawers, trade name "Rockinchair." Mills sale agents for "Duofold Health" underwear, two folds, cotton inside and wool outside.

The Hendey Machine Company, Torrington, Conn. New York office, 901 Singer building. Engine lathes, knee type milling machines, "Lincoln" type milling machines, friction driven shapers, crank shapers, centering machines. Foreign agents: Charles Churchill & Co., London, England, agent for lathes; C. W. Burton, Griffiths & Co., London, England, agent for milling machines; Iznosskoff & Co., Petrograd, Russia; D. Drury & Co., Johannesburg, South Africa. Cable address, "Hendey," Torrington. Codes, Lieber's and private.

Hendricks Brothers, Inc., 49 Cliff street, New York. Sheet copper.

The Hendrie & Bolthoff Manufacturing and Supply Company, 1637 Seventeenth street, Denver, Colo. Steam and electric hoisters, mining and milling machinery, reclamation and pumping equipment. Jobbers of electrical apparatus and supplies, machine tools, general machinery and supplies. Cable address, "Hendrie," Denver. Code, Western Union Universal edition.

The Andrew B. Hendryx Company, 86 Audubon street, New Haven, Conn. Export agents, C. K. Turner & Son, 116 Broad street, New York. New York agents, Corby & Wade, Wilson building. Bird cages, fishing tackle, chain, wire picture cord, electric fan guards. Cable address, "Hendryx," New Haven. Code, Western Union.

Alb. & E. Henkels, Inc., P. O. Box 2025, Bridgeport, Conn. Laces of all kinds and narrow trimmings. Cable address, "Torchon," Bridgeport.

Henry & Allen, Inc., Auburn, N. Y. New York agent, H. W. Janssen, 59 Pearl street. Repairs for agricultural machinery, consisting principally of cutting apparatus and parts, such as knives, sections, guards, guard plates, wearing plates, knife clips, knife heads, knife guides pitmans, pit-

man straps, pitman springs, gears, pinions etc.; also band knives and self-feeder knives for threshing machines and steel drop forgings of all kinds. Jobbers of hay tools, barn door equipment, lawn mowers, corn shellers, feed cutters, sprayers, etc. Foreign agents: Theo. Butler, Ltd., 149 Queen Victoria street, London, E. C., England. Cable address, "Henry" Auburn. Code A B C Fourth edition.

The Henry & Wright Manufacturing Company, 760 Windsor street, Hartford, Conn. Sensitive, ball bearing, radial drilling machines. Foreign agents: Ing. Ercole Vaghi, Milan, Italy; Allied Machinery Company of America, 120 Broadway, New York.

Heppenstall Forge and Knife Company, Forty-seventh street and A. V. railway, Pittsburgh, Pa. Forgings, die blocks, shear knives.

The Hercules Gas Engine Company, Evansville, Ind. Gasoline and kerosene engines from 1½ h. p. to 12 h. p. Export agents, Markt & Hammacher Co., 193 West street, New York.

Hercules Powder Company, 1016 Market street, Wilmington, Del. Export offices, San Francisco, Cal.; Memphis, Tenn., and 120 Broadway, New York. High explosives, blasting powder, black and smokeless sporting powders, permissible explosives and military powders. Jobbers of blasting supplies. Foreign agents: Andersen-Meyer & Co., Shanghai, China; Wessel, Duval & Co., Valparaiso, Chile, for Chile, Bolivia and Peru; American Trading Co., San Francisco, Cal., for Australia. Cable address, "Herpoco," San Francisco, Wilmington or New York. Codes, Western Union, A B C Fifth and Fifth Improved editions.

Herman & Herman, Inc., 6 Church street, New York. Chemicals and dyes.

Herring-Hall-Marvin Safe Company, 400 Broadway, New York. Fireproof safes, fire and burglar-proof safes, residence safes, skeleton safes, tabernacle safes, wall safes, railroad and express car safes, special safes with household cabinets, vault fronts, bank vaults, safe deposit boxes, etc. Foreign agents: Mustard & Co., Shanghai, China; Erlanger & Galinger, Manila, P. I.; Gerber-Carlisle Co., Mexico City, Mexico; Juan & José Drysdale & Co., Buenos Aires, Argentina; Parsons Trading Co., 17 Battery place, New York, for Venezuela. Cable address, "Fireproof," New York. Code, Western Union.

Herschell-Spillman Company, 196 Sweeney street, North Tonawanda, N. Y. Merry-go-rounds, carousels, high strikers, amusement outfits. Cable address, "Spillman," Tonawanda. Codes, Lieber's, A B C Fourth edition and Western Union.

Herzog Art Furniture Company, 2000 South Michigan avenue, Saginaw, W. S., Mich. Export office, New York Furniture Exchange, Forty-sixth street and Lexington avenue, New York. Bedroom and dining-room furniture, piano benches, music cabinets, record cabinets, pedestals, ladies' writing desks.

The Hess-Bright Manufacturing Company, Front street and Erie avenue, Philadelphia, Pa. New York office, 1974 Broadway. Ball bearings.

Hess, Goldsmith & Co., 239 Fourth avenue, New York. Broad silks (dress silks), crêpe de chine. Cable address, "Hessgold," New York. Code, Western Union.

The Hess Steel Corporation, Baltimore, Md. Electric steel in ingots, billets and bars. Cable address, "Hessteel," Baltimore.

Hetherington & Berner, 741 Kentucky avenue, Indianapolis, Ind. Founders.

Estate of J. G. Hetzel, 67 Maine street, Newark, N. J. Roof cement, tinners' cement and slaters' cement; roof paint, damp resisting paint and asphalt paint. Jobbers of roofing materials. Foreign agent: Jules Meex, Antwerp, Belgium.

Hewes & Potter, 65 Bedford street, Boston, Mass. New York office, 220 Fifth avenue. Suspenders, leather and silk belts, armbands, men's silk neckwear and garters. Cable address, "Hewpotter," Boston. Codes, Western Union and A B C.

Benjamin Hey & Company, 126 Broadway, Cincinnati, Ohio. Woolen shoddies.

The Heyden Chemical Works, 135 William street, New York. Acid salicylic, sodium salicylate, ammonium salicylate, magnesium salicylate, strontium salicylate, methyl salicylate, sodium benzoate, salol, saccharine, formaldehyde, paraformaldehyde, hexamethylenetetramine, bromides. Cable address, "Heyden," New York. Codes, A B C, Lieber's and Simplex.

Heyl & Patterson, Inc., 51 Water street, Pittsburgh, Pa. New York office, 30 Church street. Railroad yard cranes, coal handling machinery, ore buckets, rod conveyors, coal washing plants. Cable address, "Heylpat," Pittsburgh. Codes, A B C and Lieber's.

Heywood Manufacturing Company, 420 North Third street, Minneapolis, Minn. Paper boxes, envelopes and general printing.

Heywood, Strasser & Voigt Litho. Company, Twenty-sixth street and Ninth avenue, New York. Lithographers.

The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Paper ruling machines; automatic paper sheet feeders; paper ruling pens; bookbinders' machinery and tools, paging machines; numbering machines; book backing machines; binders' board shears; paper drills; knife grinders; stabbing machines; bookbinders' presses for embossing, stamping, signature, gilding, laying, finishing. Foreign agents: National Paper and Type Co., New York. Cable address, "Hickok," Harrisburg. Code, Western Union.

The Higgin Manufacturing Company, Fifth street and Washington avenue, Newport, Ky. Metal and wooden frame fly screens, metal weather strips, laundry tags and automobile trimmings. Jobbers of icy-hot bottles and ventilators. Branch office, The Higgin Mfg. Co., Gilbert C. Charlesworth, Agt., Toronto, Ont., Canada. Cable address, "Higginco," Newport, Ky.

Charles M. Higgins & Company, 271 Ninth street, Brooklyn, N. Y. Liquid drawing inks (black and colors), carbon writing inks, "Taurine" mucilage, photograph mounting paste, office paste, vegetable glue, liquid paste, drawing board paste, etc. Foreign branch, 11 Farrington avenue, London, E. C., England. Cable address, "Plicated," Brooklyn and London.

The Higginson Manufacturing Company, corner Front and South streets, Newburgh, N. Y. Plaster of Paris, hard wall plaster, marble dust, marble flour and whiting.

Highland Worsted Mills, Ninth and State streets, Camden, N. J. Fine worsted yarns (Bradford system). Cable addres, "Bottomley," Camden. Codes, Western Union and private.

Hildreth Varnish Company, 90 West street, New York. All kinds of varnish, paints and paint specialties. Cable address, "Hilvarco," New York. Codes, A B C, Western Union and Lieber's Standard.

H. L. Hildreth Company, 67 Batterymarch street, Boston, Mass. "Hildreth's Original and Only Velvet" molasses candy, "Hildreth's" patented candy pulling machines. Cable address, "Velveteen," Boston. Code, Western Union.

Hilgartner Marble Company of Baltimore City, Sharp and Ostend streets, Baltimore, Md. Interior building marble, marble mantels and pedestals, monuments. Jobbers of block marble. Cable address, "Hilgartner," Baltimore. Code, A B C Fifth edition.

---

to manufacturers whose names are given in this book.

The Hill Clutch Company, foot West Sixty-fifth street and Breakwater avenue, Cleveland, Ohio. New York office, 50 Church street. Engineers, founders and machinists; power transmission machinery, friction clutches, shaft couplings, shaft hangers, gearing, pillow blocks, cast iron pulleys, friction clutch pulleys and sheaves, rope drives, shafting, belt tighteners, fly-wheels, sheave wheels, sprocket wheels; iron castings, semi-steel castings; special machinery. Jobbers of manila rope. Cable address, "Hillclutch," Cleveland.

The Hills Company, Amherst, Mass. New York office, 15 West Fourth street. Straw body hats and braid hats. Cable address, "Onarsileo," New York.

Himmelberger-Harrison Lumber Company, Morehouse, Mo. Lumber: cypress, hardwood, maple and white oak; slack barrel heading.

The Hind & Harrison Plush Company, Clark Mills, N. Y. New York office, 225 Fourth avenue. Cotton, silk and mohair pile fabrics. Cable address, "Hind," Clark Mills. Code, A B C Fifth edition.

The Hinde & Dutch Paper Company, 401 Water street, Sandusky, Ohio. New York office, 100 Hudson street. Strawboard, container board and corrugated fibre board specialties. Cable address, "Corrugated," Sandusky. Codes, A B C and Western Union.

The O. L. Hinds Company, corner King and St. Paul streets, Burlington, Vt. New York office, 1270 Broadway. Rompers for infants, boys and girls; dresses and boys' wash suits in sizes 6 months to 8 years of age; pajamas in sizes 4, 6 and 8 years. Trade mark, "Bread Winner." Foreign agents: Sampaio, Correa & Co., Rio de Janeiro, Brazil; Rea Hanna, Valparaiso, Chile; Antonio M. Rivera, Bogota, Colombia; Luis C. Naranjo, Lima, Peru; J. Dahlenborg, Copenhagen, Denmark; A. Graham France & Co., London England; Keith J. Jacobs, Melbourne, Australia; O. O. Fortner, Cape Town, South Africa; C. T. McCutcheon, Port of Spain, Trinidad, B. W. I.; D. H. McCollough, La Ceiba, No. Coast Honduras; Francisco Cambreleng, Santa Cruz de Teneriffe, Canary Islands; Jacob K. Borch, 5 Beekman street, New York, for Norway and Sweden. Cable address, "Olhinds," Burlington, Vt. Code, Western Union.

Edward Hines Lumber Company, 2431 South Lincoln street, Chicago, Ill. Lumber: ash, birch, fir, spruce, hemlock, maple, oak, poplar, basswood, red pine, white pine and yellow pine.

Hires Condensed Milk Company, 913 Arch street, Philadelphia, Pa. New York office 395 Broadway. Condensed skim milk and evaporated skim milk. Cable address, "Hiresmilk," Philadelphia.

Hirschberg & Company, 15 Waverly place, New York. Cloth hats and caps for men, women, boys, misses and children; straw hats for women, misses, boys and children. Cable address, "Headwear," New York. Code, A B C.

The Hisey-Wolf Machine Company, 2741 Colerain avenue, Cincinnati, Ohio. New York office, 50 Church street. Portable electric machine tools; electrical portable drills and grinders; floor and bench grinders; bench and floor sensitive drills; electrical buffing and polishing machines. Cable address, "Hiswolf," Cincinnati. Codes, Western Union and Lieber's.

Hogg & Walden, Inc., 159 Commercial street, Lynn, Mass. Ladies' welt and turn footwear.

The John Hoberg Company, Green Bay, Wis. Toilet paper; crêpe and tissue paper napkins; white, manila and colored tissue paper; cotton batting and fruit wraps; furniture and tissue rolls; various grades of paper towels; printers of tissues a specialty.

Hoboken Paper Mill Company, Inc., Eighth and Adams streets, Hoboken, N. J. Building, wrapping and lining papers; paper specialties.

Hodgman Rubber Company, Tuckahoe, N. Y. New York office, 8 West Fortieth street. Rubber bands, blankets, bottles, cloth, gloves, leggins, invalid rings, bath tubs and sundries; carriage cloth, waterproof cloth; air cushions; druggists' sundries; waterproof horse covers; moulded rubber goods; stationers' rubber goods; fountain syringes. Cable address, "Arbiter," New York. Codes, Western Union, A B C and Lieber's.

Hoffmann & Billings Manufacturing Company, 100 Second street, Milwaukee, Wis. Brass valves and cocks, brass supplies for plumbers and gasfitters; anti-scalding shower (Niedecker patent). Jobbers of pipe, cast and malleable iron fittings, iron body valves and cocks; galvanizing boilers, enameled bath tubs, lavatories, sinks, etc., plumbers' woodenware. Cable address, "Hobill," Milwaukee. Codes, Western Union and Postal Telegraph.

J. G. Hoffmann & Sons Company, Wheeling, W. Va. Oak harness leather, cropped union sole leather.

The John Hoffmann's Sons Company, 2162 Colerain avenue, Cincinnati, Ohio. Pork products, pure lard and sausages.

The Hoggson & Pettis Manufacturing Company, 141 Brewery street, New Haven, Conn. "Sweetland" lathe chucks, "Yale" brand hand cut steel letters and figures, molds, engraving and small tools for rubber goods factories. Cable address, "Puissant," New Haven. Private code.

Holbrook, Merrill & Stetson, 665 Sixth street, San Francisco, Cal. Tin cans; all kinds of sheet iron pipe; tin ware, brass ware, copper ware for household and other purposes; hotel ware and sheet iron tanks. Jobbers of plumbers' tools and supplies, tinners' tools and supplies, sheet metal, iron pipe, refrigerators, enamel ware, stamped ware, hotel and kitchen utensils, pumps, stoves and ranges. Cable address, "Holmerson," San Francisco. Codes A B C and Western Union.

Holbrook Raw Hide Company, 748 North Main street, Providence, R. I. Hide faced hammers, raw hide mallets, gear blanks for gears or pinions, mill baskets and loom pickers.

Holcomb & Hoke Manufacturing Company, 1545 Van Buren street, Indianapolis, Ind. Corn popping and peanut roasting machines. Cable address, "Hohoke," Indianapolis. Code, Western Union.

Holeproof Hosiery Company, Milwaukee, Wis. New York office, 200 Fifth avenue. Fine cotton hosiery for men, women and children. Sell to retailers exclusively.

A. Hollander & Sons, 143 East Kinney street, Newark, N. J. New York office, 129 West Twenty-seventh street. Fur dressers and dyers. Cable address, "Hollander," Newark. Code, Lieber's.

John Hollbach Company, 224 Summer street, Paterson, N. J. New York office, 38 East Twenty-fifth street. Tie silks.

Hollingsworth & Vose Company, 141 Milk street, Boston, Mass. Paper: insulating, envelope, offset, building, detail, rope, jute, pattern, pouncing, sack, sand, tag, wrapping; paper towels. Cable address, "Chasvose," Boston. Codes, Western Union, A B C Fifth edition and private.

The Holt Manufacturing Company, Stockton, Cal., and Peoria, Ill. Export offices: trans-Pacific, Stockton, Cal.; trans-Atlantic, Peoria, Ill. New York office, 30 Church street. Traction engines, motor plows, caterpillar engines, combined harvesters. Foreign agents: Caterpillar Tractors, Ltd., 60 Queen Victoria street, London, E. C., England; Pacific Commercial Co., Manila, P. I. Cable address, "Holt," Stockton or Peoria. Code, Western Union.

The Holters Company, Spring Grove avenue, Alfred and Cook streets, Cincinnati, Ohio. Ladies' shoes.

The Holtzer-Cabot Electric Company, 125 Amory street, Roxbury, Boston, Mass. Chicago office, 6161 South State street. New York office, room 517, 101 Park avenue. Motors, dynamos, motor generators, interior telephones, annunciators, electric bells, watchman's clocks, magnetos, tachometers, factory horns, extension bells, wireless receivers, wire connectors and Newcomb carburetors, hospital, school and hotel signaling and fire alarm systems. Cable address, "Holtzer," Boston. Codes, Western Union, A B C Fifth edition and New Business.

Holyoke Card and Paper Company, Springfield, Mass. Cardboard: plain and coated for high-grade printing in all branches, lithographing, halftone, duotone, trichromatic, steel plate, offset and for photo mounts and folders, tickets, tags, signs, advertising novelties, playing cards, etc.; coated cover papers: glazed and plated box and label papers, embossed and waterproof cover papers and leatherette, etc. Cable address, "Holcarpaco," Springfield, Mass. Code, Western Union.

Holyoke Plush Company, 89 Franklin street, Boston, Mass. New York office, 315 Fourth avenue. Lap robes, velours and linings.

The Holzman Silk Manufacturing Company, Van Houten street, Paterson, N. J. New York office, 345 Fourth avenue. Silk ribbons and broad silks.

Home Rubber Company, Trenton, N. J. New York office, 80 Reade street. Hose: water, steam, air, brewers', suction; rubber belting, valves, gaskets; molded rubber goods of all descriptions, rod and sheet packings for all purposes; original and celebrated "N. B. O." black sheet packing. Foreign branch, 107 Clifton street, Finsbury, London, E. C., England. Cable address, "Home," Trenton. Code, Western Union.

The Homestead Company, 1910 West Grand avenue, Des Moines, Ia. New York office, 200 Fifth avenue. Printing, engraving, binding and publishing.

Hood Rubber Company, 98 Nichols avenue, Watertown, Mass. Rubber boots and shoes, vulcanized rubber soled canvas footwear for tennis. Foreign agents: C. W. Randall & Co., Ltd., London, England. Cable address, "Hoodrub," Watertown. All codes, Western Union preferred.

Hooker Electrochemical Corporation, 40 Wall street, New York. Works at Niagara Falls, N. Y. Caustic soda, chloride of lime or bleaching powder, monochlor benzol, muriatic acid. Jobbers of all heavy chemicals. Cable address, "Hookelec," New York. Codes, A B C Fifth edition and Lieber's.

Wm. E. Hooper & Sons Company, 10 South street, Baltimore, Md. New York office, 320 Broadway. Blankets, covers, cider press cloth, oil press cloth, coal bags, duck mail bags, rope, sash cord, wrapping twine, yarn, sewing twine, wick, sail twine, paper dryer felts. Cable address, "Hoopersons," Baltimore. Code, A B C Fifth edition.

Hoopes & Townsend Company, 1330 Buttonwood street Philadelphia, Pa. New York office, 30 Church street. Machine bolts, lag screws, etc.; cold punched, chamfered and trimmed, square and hexagon nuts; iron and soft steel rivets; round and flat iron and steel bars. Cable address, "Buttonwood," Philadelphia. Code, Western Union.

Hoosac Cotton Mills, 77 Franklin street, Boston, Mass. Cotton goods.

The Hooven, Owens, Rentschler Company, Hamilton, Ohio. New York office, 39 Cortlandt street. Corliss engines, medium speed engines, high duty pumping engines, "Gasteam" engines, air and gas compressors, blowing engines, sugar machinery and special heavy castings. Foreign agents: Mitsui & Co., 25 Madison avenue, New York, agents for Japan

and Korea; Honolulu Iron Works Company, Honolulu, Hawaii; The Hooven, Owens, Rentschler Co., Havana, Cuba. Cable address, "Hooven," Hamilton. Code, A B C.

The Hooven & Allison Company, Steele buliding, Xenia, Ohio. Manila, sisal, hemp and jute rope; binder twines, commercial twines, marline, packings, oakum, oil well cordage. Cable address, "Hooven," Xenia. Code, A B C Fifth editoin.

Hope Webbing Company, Providence, R. I. New York office, 396 Broadway. Webbing, narrow woven and braided fabrics, tubular braid, insulating tapes, dress trimmings, neckties. Cable address, "Hopwebco," Providence. All codes.

Horlick's Malted Milk Company, Racine, Wis. Horlick's malted milk, Horlick's malted milk lunch tablets. Foreign agents: Feeney & Co., Buenos Aires, Argentina; P. J. Christoph Co., Rio de Janeiro, Brazil; Horlick's Malted Milk Co., Slough, Bucks, England.

H. H. Hornfeck & Son, Inc., 16 East Fortieth street, New York. Furs.

Horrocks Desk Company, 420 East German street, Herkimer, N. Y. Roll top, flat top and typewriter desks; office and typewriter tables. Foreign agents: Donnell & Palmer, 17 Battery place, New York, for Argentina and Uruguay; W. R. Grace & Co., Hanover square, New York, for the west coast of South America. Cable address, "Hordx," Herkimer. Code, Western Union.

The Horton Manufacturing Company, 185 North Main street, Bristol, Conn. Steel fishing rods, fishing tackle. Cable address, "Horton," Bristol. Code, International.

The E. Horton & Son Company, Windsor Locks, Conn. Lathe chucks, drill chucks, face plate and boring mill jaws, Horton-Morrow three jaw drill chucks, various types and patterns of special chucks. Cable address, "Horton," Windsor Locks. Codes, Lieber's and Western Union.

E. H. Horwood & Company, 200 Fifth avenue, New York. "Little Beauty" underwaists and drawers for children and "The Shapely" brassiere for women.

The Hotaling-Warner Company, 720 North Clinton street, Syracuse, N. Y. New York office, 79 Wall street. Alimentary pastes: macaroni, noodles, spaghetti and vermicelli.

The Hotchkiss Brothers Company, Torrington, Conn. Sash, doors, blinds, high grade interior mill work.

Houchin-Aiken Company, Inc., 113 Fifty-third street, Brooklyn, N. Y. Machinery for making soap, candles, glycerine and wire mattresses. Foreign agents: William Croft, Room 424, Lonja building, Havana, Cuba; C. J. Fox & Sons, 65 King's Cross road, London, England; D. Beya & Cia., Calle Claris 76, Barcelona, Spain. Cable address, "Houchaiken," Brooklyn. Codes, Lieber's and private.

W. S. Hough, Jr., Company, 61 Peck street, Providence, R. I. Brass, copper, white metal, nickel silver, gold, gold rolled plate and sterling silver in angles and channels, anodes, plain and embossed sheets, mouldings, seamless tubing, tapered tubing, plain and fancy wires; gold and gold filled seamless optical wires; gold and silver solders in sheet and wire in all qualities and high and low fusing degrees. Code, A B C.

Houston Coal Company, 1522 Union Trust building, Cincinnati, Ohio. Export office, Seaboard Bank building, Norfolk, Va. "Houston Pocahontas" coal and coke; "Houston Thacker" coal. Cable address, "Hustoncol," Cincinnati or Norfolk. Codes, Western Union, Scott's Tenth edition, A B C Fifth edition and Lieber's.

---

to manufacturers whose names are given in this book.

C. B. Howard Company, Emporium Pa. Hemlock and hardwood lum and lath.

James L. Howard & Company, 438 Asylum street, Hartford, Conn. F way car hardware, door locks, baggage racks, brake handles, oil lar hoppers, cotton waste, door fixtures, sash locks, brass castings and co castings.

R. S. Howard Company, 597 Fifth avenue, New York. Export agent, port Corporation, 29 Broadway, New York. Pianos and player-pia Cable address, "Howardiano," New York. Codes, A B C and pri

Howlett & Hockmeyer Company, Inc., 19 Madison avenue, New Y Corduroys and velveteens.

F. M. Hoyt Shoe Company, corner Lincoln and Silver streets, Manche N. H. Boston office, 60 South street. New York office, 127 Duane st Men's and boy's fine and medium priced Goodyear welt shoes. For agents: Arnaldo Turchetti, Ancona, Italy; Chris Mogensen, Gl. Kong 27, Copenhagen, Denmark; G. H. Dunn, Ltd., Cape Town, South Af. Cable address. "Hoytshoe," Manchester, N. H. Codes Western Union and Lieber's Standard.

Hubbard, Eldredge & Miller, 280 Lyell avenue, Rochester, N. Y. Chairs.

Hubbard & Co., Pittsburgh, Pa. New York office, 50 Church street. Shovels, spades, scoops, railroad track tools, hammers, sledges, coal miners' tools, bolts, nuts, washers, picks, mattocks, grub hoes, telephone and telegraph line construction material, pipe straps, farm implement blades and stampings, all kinds of press work, "Peirce" specialty brackets.

Harvey Hubbell, Inc., Bridgeport, Conn. Export office, 30 East Forty-second street, New York. Electric attachment plugs, electric pull switches, electric light attachments for oil lamps, electric lamp socket bushings, electric pull socket chain, shade holders for electric lamp sockets, guards for electric lamps, electric wall and flush plug receptacles, reflectors for electric lamps, wall and ceiling electric socket receptacles, incandescent locking lamps and machine screws. Foreign agents: Boswell & Co., Sydney, Australia; Richard Eisler, Buenos Aires, Argentina; Benjamin Electric Co., Ltd., 1 a Roseberry avenue, London, England; Luis A. Buchaca, Havana, Cuba. Cable address, "Hubbell," Bridgeport. Codes, Western Union, A B C and Lieber's.

The Huber Manufacturing Company, Marion, Ohio. New York office, 68 Broad street. Steam traction engines, steam road rollers, gas tractors, threshers for grain, rice, beans and peas.

Hudson Belting Company, Worcester, Mass. Export office, care of T. A. Westmore, 187 Pearl street, New York. Stretched oak bark, tanned leather belting; "Mermaid" waterproof and "Hydro" steamproof leather belting; leather strapping of all kinds; rawhide, Indian tanned and chrome tanned lace leather (both sides and cut); solid round and twisted round belting. Jobbers of rubber belting, canvas belting, wood pulleys, steel pulleys, belt fasteners. Cable address, "Hudbeltco," Worcester. Codes, Western Union and A B C.

Hudson Motor Car Company, 2901 Jefferson avenue, Detroit, Mich. Automobiles. Cable address, "Hudsoncar," Detroit. Codes, A B C Fifth edition, Western Union, Lieber's Standard and General.

The Huiskamp Brothers Co., 218 Johnson street, Keokuk, Iowa. Men's, women's, misses' and children's shoes in the medium and high priced grades; men's and boys' work shoes.

Hull, Grummond & Company, Inc., Binghamton, N. Y. Cigars: "Judge Day" and "Astor" 10c. brands; "Franklin," the leading 5c. brand.

Hunt-Rankin Leather Company, 106 Beach street, Boston, Mass. Calf leathers. Foreign agents: Jorge Soto, Jenner 8, Madrid, Spain; Hercule P. Issidorides & Cie., Athens, Greece; J. Fernandez Hurtado, Apartado de Correas 78, Caracas, Venezuela; Amador Cordero Martinez, Correo Central Cassilla 2464, Santiago, Chile; Pierola & Saavedra, Lima, Peru. Cable address, "Niknar," Boston. Codes, Lieber's and A B C Fifth edition.

Hunt-Spiller Manufacturing Corporation, 383 Dorchester avenue, South Boston, Mass. "Hunt-Spiller" gun iron locomotive castings, such as eccentrics and straps, driving boxes, shoes and wedges, guides, superheater headers, false valve seats, crosshead shoes, side rod bushings, cylinder packing and bushings, pistons, piston valve cages and packing, air pump cylinder packing and bushings, knuckle pin bushings.

The Hunt & Dorman Manufacturing Company, 1600 East Twenty-fourth street, Cleveland, Ohio. Automobile parts, sheet metal work, metal stamping dies and machine work on contract.

C. Howard Hunt Pen Company, Seventh and State streets, Camden, N. J. Steel pens, brass pens and letter clips. Foreign agents: Eberhard Faber, 200 Fifth avenue, New York, for Central and South America; Comins & Minkenhof, 17 Battery place, New York, for China and Dutch East Indies; J. Osawa & Co., Kyoto, Japan; Dodge & Seymour, Ltd., 194 West street, New York, for India. Cable address, "Huntpen," Camden. Code, A B C Fifth edition.

Hunter Saw and Machine Company, Fifty-seventh and Butler streets, Pittsburgh, Pa. Circular metal cutting saws, inserted tooth saws, hot saws, slate saws, slitting saws, milling saws, high speed friction discs, tube saws, saw sharpening machine for solid saws, inserted tooth saw grinders, hardened steel specialties, heat treating all kinds of steel. Cable address, "Huntsaw," Pittsburgh. Code, Western Union.

James Hunter Machine Company, North Adams, Mass. Boston office, 70 Kilby street. Wool machinery: washers, dryers, openers, carbonizers, dusters, feeders; fulling mills; cloth washers; dye kettles; garnett machines; cotton batting equipments for cotton mattress manufacturing. Cable address, "Hunter," North Adams.

Huntley Manufacturing Company, Silver Creek, N. Y. New York office, 121 Front street. Machinery for peanuts, rice, coffee, canners', grain and seed cleaning; flour, feed and cereal mill machinery. Foreign agents: Charles F. Glavin, 158 25 de Mayo, Buenos Aires, Argentina; Emilio Kruger, Concepcion, Chili; Marshall, Sons & Company, Ballard road, Bombay, India; Henry Simon, Ltd., 20 Mount St., Manchester, England. Cable address, "Huntley," Silver Creek.

Hupp Motor Car Corporation, 1223 Milwaukee avenue, Detroit, Mich. "Hupmobile" automobiles. Cable address, "Hupp," Detroit. Codes, Western Union, Lieber's and A B C.

Hutchens & Potter Company, Johnstown, N, Y. Fine leather gloves of kid, cape, mocha, chamois and buckskin for men, women and children. Jobbers of heavy working gloves, lined and unlined. Cable address, "Handphit," Johnstown, N. Y. Code, A B C Fifth edition.

Huttig Sash and Door Company, 1206 South Vandeventer avenue, St. Louis, Mo. Sash, doors, blinds, moldings, interior finish, stairwork and general millwork; sectional garages, silos and cedar chests.

F. C. Huyck & Sons, Albany, N. Y. Woven woolen felts and jackets for use in paper machines. Foreign agents: Fox, Stockell & Co., 61 St. Mary Axe, London, England, for United Kingdom, India and Europe except Denmark, Norway, Sweden and Russia; Lorentzen & Wettre, Christiania, Norway, for Norway, Sweden, Denmark and Russia; Parsons Trading

Co., 17 Battery place, New York, for South America and Australia; The Toyo Shokwai, Tokio, Japan, for Japan and China. Cable address, "Huyck," Albany. Code, A B C Fifth edition.

Huyler's, 64 Irving place, New York. Confections, cocoa and chocolate.

Hyatt Roller Bearing Company, Newark, N. J. Automobile department, Detroit, Mich. Tractor department, Chicago, Ill. Commercial department, Newark, N. J. Roller bearings for automobile, commercial and tractor uses; also, line shaft bearings. Cable address, "Hyrod," Newark. Code, Western Union.

A. G. Hyde & Sons, 361 Broadway, New York. Silesias, sleeve linings, satteens, Albert twills, Italians, Venetians, fancy shirtings, wash fabrics, jeans, galateas, duster cloths, pongettes, taffetas, messalines, fancy foulards, percalines, mercerized sateens, percales, pocketings, poplins, repps, rubber fabrics, voiles, crêpes, gabardines, etc., silk and cotton mixtures and piques. Cable address, "Hydegrade," New York. All codes.

Hydraulic-Press Brick Company, 1000 Central National Bank building, St. Louis, Mo. Face brick, enamel brick, tile, paving brick, common brick.

The Hydraulic Pressed Steel Company, 3152 East Sixty-first street, Cleveland, Ohio. New York office, Equitable building. Automobile frames, step hangers, running boards, brake drums, wheels and rims; bicycle sprockets; steel barrels; collapsible metal forms for all forms of concrete construction work; shrapnel and high explosive shell forgings; miscellaneous heavy stampings. Foreign agents: Francisco Casadella S en C, Barcelona, Spain; Imperial Motor Industries, Ltd., 11 Denmark street, Charing Cross road, London, England. Cable address, "Hydraulic," Cleveland.

Ice and Cold Machine Company, 3003 North Broadway, St. Louis, Mo. Ice making and refrigerating machines and appurtenances in capacities of 100 tons and over of refrigeration daily. Cable address, "Cotesby," St. Louis. Codes, Western Union Universal edition.

Geo. P. Ide & Company, Troy, N. Y. New York office, 156 Fifth avenue. Shirts for men, "Ide" stiff collars for men and boys, soft collars for men and boys, shirt fronts and cuffs. Foreign agents: Henry Levin Commission Co., P. O. Drawer H, Nogales, Arizona; Gonzalo Boza, F., San Jose, Costa Rica; Luis Vasquez Greiff, P. O. Box 263, Bogota, and Medellin, Colombia; Arcesio Jordan, Cali, Colombia; Herederos de J. Puig Verdaquer, Apartado 111, Guayaquil, Ecuador; Pierola & Saavedra, Apartado 1121, Lima, Peru; Guttmann-Maurer & Co., Moneda 1053, Santiago, Chile; Herman J. C. Henriquez, P. O.Box 1057, Panama, R. P.; I. Beck, Inc., 529 Calle David, Manila, P. I.; Margau & Co., Pinn's building, Johannesburg, South Africa; Reidar G. Muller, Kr. Augustgade 9, Christiania, Norway; A. Philippon, Janina, Greece; Alberto Ferrer, P. O. Box 2379, Havana, Cuba; H. Isaacs, 393 Moray place, Dunedin, New Zealand; Juan Roig, P. O. Box 861, San Juan, Porto Rico; Em. Jackson, Cap-Haitien, Haiti; Amerigo Ferri, Casilla Correo 183, Quito, Ecuador; J. & H. D. C. Gomez, Curaçao, D. W. I.; George S. Huggins, P. O. Box 267, Port-of-Spain, Trinidad, B. W. I.; Stanley S. C. Headley, P. O. Box 76, Paramaribo, Dutch Guiana; Joseph Sylvain & Co., Port-au-Prince, Haiti; Baker & Diaz, Rio de Janeiro, Brazil; The Internationale Handelsvereeniging, Keizersgracht 325, and Holland-Bombay Trading Co., Amsterdam, Holland; V. Cattoretti, La Paz, Bolivia; S. R. Reuben, care of Reuben & Allen, 87 Barry street, Kingston, Jamaica; Ryberg & Co., Havnegade 45, Copenhagen. Denmark; in New York, George Perich, P. O. Box 181; W. Mejia & Co., 59 Pearl street; Gaston, Williams & Wigmore, Inc., 140 Broadway, and Henry W. Peabody & Co., 17 State street.

Igoe Brothers, Newark, N. J. Wire and wire nails.

Illinois Brick Company, 111 West Washington street, Chicago, Ill. Common building brick.

Illinois Glass Company, Alton, Ill. New York office, 90 West Broadway. Glass bottles and carboys. Cable address, "Bottles," Alton.

Illinois Iron and Bolt Company, Carpentersville, Ill. Wagon skeins, wagon and buggy axles, jack screws, anvils, tire shrinkers, tire benders, letter presses, vises and trucks, plow shares and steel shapes of all kinds for agricultural implements.

Illinois Malleable Iron Company, 1801 Diversey boulevard, Chicago, Ill. Malleable and cast iron pipe fittings of all kinds both screwed and flanged, including unions, nipples, plugs, bushings, etc.; malleable iron plow and wagon clevises; electrical construction supplies; tank lugs; elevator buckets; cast iron house heating boilers, both round and sectional; cast iron tank heaters; garbage burners; malleable and gray iron castings of all kinds from customers' patterns. Jobbers of a full line of iron pipe fittings and similar supplies, plumbing supplies, heating supplies, etc. Cable address, "Imico," Chicago. Code, A B C Fifth editon.

Illinois Watch Company, Springfield, Ill. Watch movements. Cable address, "Watches," Springfield. Code, Western Union.

Ilsley-Doubleday & Company, 229 Front street, New York. Axle grease, machinery oils, cylinder oils, lubricating oils, lubricants, graphite, plumbago compounds, lubricating greases and compounds, phonograph lubricant, harness oil, hoof dressing, kalsomine, hot and cold water paints for interior and exterior use. Jobbers of John W. Masury & Sons' paints and varnishes. Foreign agent: George C. Moore, Equitable building, Sydney, Australia. Cable address, "Ilsley," New York. Codes, A B C Fourth edition, Lieber's and Western Union.

Imperial-Campbell Wall Paper Manufacturers Companies, Glens Falls, N. Y. Wall paper, all grades; pulp colors for wall paper production. Cable address, "Imcampaco," Glens Falls, N. Y. Code, Western Union.

Imperial Furniture Company, 1640 Broadway, Grand Rapids, Mich. Tables, tea wagons and furniture novelties. Cable address, "Impfurnco," Grand Rapids. Code, Western Union.

Imperial Glass Company, Bellaire, Ohio. Export office, care of Cox & Lafferty, 1140 Broadway, New York. Glass tableware, glass shades for gas and electric lights, iridescent glass novelties, glass tumblers and jelly glasses, "Nucut" glass, band-cut glass, soda fountain tumblers, sherbet glasses, etc., "Imperial Art" glass.

Imperial Porcelain Works, Trenton, N. J. Electrical and other porcelain specialties.

Independent Bridge Company, Beaver avenue and Rebecca street, N. S., Pittsburgh, Pa. Structural steel specialties, United States Government special constructions, lock gates, bear traps.

The Independent Foundry Company, 743 York street, Portland, Ore. Grey iron castings. Cable address, "Dependent," Portland, Ore.

Indian Refining Company, 44 Whitehall street, New York. Oil: fuel, harness, harvester, illuminating, lubricating, "Havoline" brand automobile; axle oil and grease, lubricating greases; gasoline; kerosene; belt dressing; petroleum and its products. Cable address, "Indianile," New York. Code, Western Union.

Indiana Box Company, Twenty-second street, Elwood, Ind. Wooden packing boxes, wooden reels for barb wire, nail keg heading, hardwood crates and crating lumber.

---

to manufacturers whose names are given in this book.

Indiana Bridge Company, Muncie, Ind. Structural steel for buildings, bridges and other engineering structures.

Ingalls & Company (Oak Grove Mills), Castleton-on-Hudson, N. Y. Binders' boards, trunk boards, wagon boards, album boards, leather boards, friction boards, etc.

The Ingersoll Milling Machine Company, Rockford, Ill. Detroit office, H. C. Rose, manager, 806 David Whitney building. New York office, The Walter H. Foster Company, 50 Church street. Heavy planer type milling machines, heavy combined knee type milling machines, milling cutters, milling cutter grinders, milling fixtures. Foregn agents: C. W. Burton, Griffiths Co., London, England; Fenwick Frères, Paris, France; Moscow Machinery Tool and Engine Co., Moscow, Russia; R. S. Stokvis & Zonen, Rotterdam, Holland. Cable address, "Ingersoll," Rockford. Codes, Lieber's Five Letter and other standard codes.

Robert H. Ingersoll & Brother, 315 Fourth avenue, New York. Cheap and medium priced watches. Foreign agencies: Ingersoll Watch Co., Ltd., Kingsway, London, England; Robt. H. Ingersoll & Bro., Montreal, Canada; Gaston, Williams & Wigmore, Shanghai, China; Cia. de Relojes Americanos Ingersoll, Buenos Aires, Argentina. Cable address, "Edenvose," New York. All codes.

Ingle Machine Company, 371 St. Paul street, Rochester, N. Y. Tooth rounders. Cable address, "Ingleco," Rochester. Codes, Lieber's and Western Union.

The E. Ingraham Company, Bristol, Conn. Clocks and watches.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. New York office, 100 William street. Porcelain enameled iron signs and specialties, porcelain enameled refrigerator linings and table tops.

Inland Steel Company, First National Bank building, Chicago, Ill. Open hearth steel in billets, structural sections, universal mill plates, merchant bars, concrete reinforcing bars, sheared plates, black sheets, galvanized sheets, roofing sheets, heavy rivets, railroad track bolts and spikes and tie plates. Cable address, "Inland," Chicago. Codes, New Business, Western Union, Lieber's, General Telegraph and A B C.

Inland Steel Company, Indiana Harbor, Ind. See Inland Steel Company, Chicago, Ill.

Innis, Pearce & Co., Rushville, Ind. Beds, dressers, chiffoniers, washstands and dressing tables in oak, mahogany, bird's-eye maple and Circassian walnut.

International Agricultural Corporation, 61 Broadway, New York. Miners of all grades phosphate rock and manufacturers of chemical fertilizers. Foreign agents for phosphate rock: Fox, Roy & Co., Plymouth, England; W. Fraser & Co., 3 Fenchurch avenue, London, England. Codes, A B C and Western Union.

International Cork Company, 99 Sutton street, Brooklyn, N. Y. Corks and crown corks. Cable address, "Intercork," Brooklyn.

International Creosoting and Construction Company, 2205½ avenue B, Galveston, Texas. Creosoted and Burnettized ties, lumber, bridge timbers, piling, poles and paving blocks. Cable address, "Creosote," Galveston. Codes, Western Union, A B C and Lieber's.

International Harvester Corporation, 606 South Michigan avenue, Chicago, Ill. New York office, 17 Battery place. Grain, rice and corn binders; headers; push harvesters; huskers and shredders; ensilage cutters; reapers; mowers; tedders; rakes; disc harrows; cultivators; drills; hay loaders; hay stackers; corn planters; corn shellers; seeders; manure spreaders; cream

separators; hay presses; motor trucks; engines and tractors. Representatives in all foreign countries. Cable address, "Inthasal," Chicago. Codes, Tybo, Western Union, A B C Fourth and Fifth editions, A 1 and Lieber's.

International Machine Tool Company, West Twenty-first street and Belt railroad, Indianapolis, Ind. "Libby" high power, heavy duty turret lathes. Foreign agents: Coats Machine Tool Co., Ltd., London, England; Ugo Violini & Co., Milan, Italy; Iznosskoff & Co., Petrograd, Russia. Cable address, "Capenco," Indianapolis. Codes, Lieber's and private.

International Salt Company of New York, Scranton, Pa. Export office, 2 Rector street, New York City. All kinds of salt. Foreign agents: Emanuel Fernandez, Chacabuco 82, Buenos Aires, Argentina; H. A. McAndrew, P. O. Box 333, Havana, Cuba. Cable address, "Isco," Scranton, Pa. Codes, Lieber's Standard and A B C Fourth edition.

International Silver Company, Meriden, Conn. New York office, 9 Maiden lane. Table and household goods in sterling silver and electro gold and silver plate. Cable address, "Ivesbird," New York. Codes, A B C, A 1, International Mercantile and Western Union.

Inter-State Car Company, Massachusetts and Brightwood avenues, Indianapolis, Ind. Freight cars, grey iron castings, forgings.

Interstate Electric Novelty Company, 104 South Fourth street, Brooklyn, N. Y. Flashlights: vest-pocket, fountain pen, pistol, watchman's lantern, handy lantern, Hallowe'en lantern; radio nitrogen battery single cell hand lanterns; bicycle lamps; illuminated watch holders; illuminated alarm clocks; electric candlesticks; electric night lamps and candelabras; musicians' lanterns; trouble and portable lamps; cigar lighters; electric scarf pins; battery meters; Mazda automobile lamps; switches and push buttons; Christmas tree outfits. Foreign agents: J. C. Hindes, 6 Eldon street, Finnsbury Pavement, London, England; City of Paris Dry Goods Co., 19 Boulevard de Strassbourg, Paris, France. Cable address, "Intelenove," New York. Codes, A B C and Lieber's.

The Interstate Foundry Company, East Sixty-first street, Cleveland, Ohio. Gray iron and semi-steel castings.

Interstate Iron and Steel Company, 38 South Dearborn street, Chicago, Ill. Iron and steel bars and bands, hard and soft steel angles, tees, channeled flats, cultivator beams, harrow bars and other special shapes for agricultural implements, twisted and plain bars for reinforcing concrete, also rolled iron tie plates. Cable address, "Interstate," Chicago.

The Interwoven Mills, Inc. (Interwoven Stocking Company), 390 George street, New Brunswick, N. J. New York office, 1261 Broadway. Lisle, silk and wool men's half-hose. Foreign agents: D. Rossheim, 6 Fox Court, Gray's Inn road, London, E. C., England; Henry Fridiger, 103 Rue Lafayette, Paris, France; J. Polak-Grodel, Marnixstraat 400-a, Amsterdam, Holland; Clayton, Olsburgh & Co., Rua Alfandega 108, Rio de Janeiro, Brazil; Julio A. Pique, Montevideo, Uruguay; Denniston & Co., La Paz, Bolivia; A/S G. O. Myhre, Ltd., Christiania, Norway; Hauser, Mulet y Cia., Alsina 1999, Buenos Aires, Argentina; representative in charge of South American agencies, Will L. Smith, Sarmiento 643, Buenos Aires, Argentina. Cable address, "Interwoven," New Brunswick. Codes, Western Union, A B C Fifth edition and Lieber's.

Ipswich Mills, 201 Devonshire street, Boston, Mass. Hosiery: cotton, lisle and silk.

Madame Irène, 518 Fifth avenue, New York. Corsets and brassieres. Cable address, "Eraine," New York. Code, Western Union.

Iron City Sanitary Manufacturing Company, Oliver building, Pittsburgh, Pa. Porcelain enameled iron baths, lavatories, sinks, laundry trays. Code, Western Union.

---

to manufacturers whose names are given in this book.

Iron City Tool Works, Ltd., 3201 Smallman street, Pittsburgh, Pa. New York agent, John H. Graham & Co., 113 Chambers street. Cold chisels; contractors' supplies; crow bars; post hole diggers; light forgings; hand and sledge hammers; hoes; nut locks; mattocks; picks; nail pullers; center punches; railway supplies; tongs and pliers; tools for blacksmiths, boilermakers, bricklayers and masons, bridgemen, contractors, coopers, miners, stonecutters, railway track, quarrying and drilling; solid box blacksmiths' vises; steel wedges. Foreign agent, A. Asher Smith, Sydney, Australia. Cable address, "Ironcity," Pittsburgh. Codes, Commercial Cable, Marconi Wireless and Western Union.

Irons & Russell Company, 95 Chestnut street, Providence, R. I. Chicago office, 10 South Wabash avenue. New York office, 11 Maiden lane. Emblematic jewelry, pins, buttons, charms, jewels and scapulas. Complete stock carried in each office. Cable address, "Irons," Providence. Code, Western Union.

Iroquois Iron Company, 1361 McCormick building, Chicago, Ill. Pig iron.

Irving-Pitt Manufacturing Company, 411 East Eighth street, Kansas City, Mo. New York office, 428 Broadway. Loose-leaf books and forms, adjustable punches.

Island Paper Company, Menasha, Wis. Fibre wrapping paper and sulphite pulp.

Ivers & Pond Piano Company, 114 Boylston street, Boston, Mass. Grand and upright pianofortes. Cable address, "Iverspond," Boston.

The Ives Manufacturing Corporation, 194 Holland avenue, Bridgeport, Conn. New York office, 200 Fifth avenue. Toys.

Jackson Automobile Company, Main street, Jackson, Mich. Export agent, J. S. Johnson, 68 Broad street, New York. Automobiles, pleasure cars only.

Jackson Cushion Spring Company, Jackson, Mich. Coiled springs and spring structures for car seats, automobiles, carriages, furniture, etc. Foreign agents: Smith, Kirkpatrick & Co., 10 Bridge street, New York; Crossman & Sielcken, 90 Wall street, New York. Cable address, "Cushspring," Jackson, Mich. Code, Western Union.

E. A. Jackson, Inc., 15 East Twenty-sixth street, New York. Dresses.

Jacob Brothers Company, 539 West Thirty-ninth street, New York. "Jacob Bros." pianos.

The Jacobs Manufacturing Company, 984 Park street, Hartford, Conn. Drill chucks. Cable address, "Jacobchuck," Hartford. Code, Western Union.

John Jacques & Son, 93 Webster street, Worcester, Mass. Paper shears and slitters, card cutters, bookbinders' shears, label cutters.

The Jamaica Dyewood and Chemical Company, 50 Church street, New York. Dyewood extracts: hematine, logwood, fustic, hypernic, etc. Jobbers of aniline dyes and chemicals. Cable address, "Jadychem," New York. Codes, Lieber's and Western Union.

Jamestown Lounge Company, Jamestown, N. Y. New York office, 715 Marbridge building. Upholstered furniture of medium and high grades including living room suites, davenports and sofas, chairs, sofa beds, couches and box couches. Selling agents for bedroom and dining room suites made by the Youngsville Mfg. Co., Youngsville, Pa., and high grade bedroom case work made by the Warren Furniture Co., Warren, Pa.

D. Jamieson's Sons, Trenton avenue and Sergeant street, Philadelphia, Pa. Turkish towels, face cloths and baby bibs; scrub cloths, house cloths, dish cloths, sweat cloths, absorbent crash and towels.

Jamison Coal and Coke Company, Pittsburgh, Pa. Coke and bituminous coal. Cable address, "Jamison," Pittsburgh. Code, Western Union.

Jantz & Leist Electric Company, Cincinnati, Ohio. Constant and variable speed direct current motors for machine tool service, sizes 1 to 500 H. P.; direct current generators, 25 to 300 K. W., suitable for direct connection to engines; belted type generators, 1¾ to 300 K. W.; low voltage generators for electroplating, electro-cleaning and general deposition of metals, also, for electrolytic work, in sizes from 150 to 10,000 amperes capacity; also motor-generators in single and double units. The engine type and belted type generators have standard voltages.

Jarecki Manufacturing Company, East Ninth street, Erie, Pa. Brass valves and fittings for steam, gas, water and oil; malleable and gray iron pipe fittings; oil well and natural gas supplies; pipe threading machinery; governors and unloaders. Cable address, "Jarecki," Erie.

Richard W. Jefferis Company, Eleventh and Linden streets, Camden, N. J. Steel lockers, shelving and factory supply closets.

The Jefferson Coal Company, 401 Citizens building, Cleveland, Ohio. Producers of No. 8 Ohio coal, bituminous and gas coal.

The Jefferson Glass Company, Follansbee, W. Va. New York office, 220 West Forty-second street. Illuminating glassware, table glassware, automobile glasses, railroad lenses and specialties. Foreign agent for tableware, Chas. J. Pratt, National Glass Co., 1 Charterhouse street, Holborn Circus, London, England. Cable address, "Jeffco," Follansbee, W. Va. Code, Western Union.

The Jeffrey Manufacturing Company, Columbus, Ohio. General line of elevating and conveying machinery, pulverizers, lime pulvers, single roll crushers, single and double roll crushers for coal and similar substances, screening machinery for both the vibrating and revolving kind, mine fans for ventilation, a complete line of portable wagon loaders, conveyors, bag stackers, barrel stackers, a complete line of coal mining machinery consisting of air or electric driven chain cutters, electric drills for coal, a complete line of electric locomotives of both the storage battery and trolley types for underground or surface haulage. Jobbers of belting for elevator work. Foreign agents: The Jeffrey Mfg. Co., Calle San Martin 233, Buenos Aires, Argentina; Hugh Wood & Co., Ltd., Sun buildings, Newcastle-on-Tyne, England; Gibson, Battle & Co., Ltd., Sydney, Australia; John Chambers & Son, Ltd., of Auckland, Wellington, Dunedin and Christchurch, New Zealand; Frank R. Perrott, 883 Hay street, Perth, Western Australia; J. & R. Niven, P. O. Box 4022, Johannesburg, South Africa; Ditta N. Faes, Via Piemonte 39, Rome, Italy; The Sociedad General de Representaciones, Galdo 1, Madrid, Spain; Lorentzen & Wettre, Christiana, Norway; The International Manufacturers Sales Co., Moscow, Russia; The American Trading Co., Yokohama, Japan. Cable address, "Jeffrey," Columbus. Codes, A B C and Western Union.

J. F. Jelenko & Company, 1 Union square, New York. Dental supplies, dental golds and solders. Cable address, "Jelko," New York. Private code.

Jenckes Spinning Company, 335 Barton street, Pawtucket, R. I. Automobile tire fabrics.

Jenkins Bros., 80 White street, New York. Fuller balls, bibb washers, gaskets, gasket tubing, gauge cocks, steam traps, hose valve packing, valves: angle, automatic air, automobile equalizing stop and check, automobile exhaust relief, back pressure, blow-off, check, corner, cross, gate, globe, pump, radiator, safety and fractional radiator valves, injectors, reducing valves. Jobbers of Wright & Rust patent valve files. Foreign agents:

Jenkins Bros., Ltd., Montreal, Canada, and 95 Queen Victoria street, London, E. C., England. Cable address, "Pipkin," New York. Codes, A B C, Lieber's, Western Union and private.

Jenkins Manufacturing Company, Bloomfield, N. J. Export office, 20 Vesey street, New York. Brass fittings for steam, water and gas, brass composition and bronze castings, marine sanitary fixtures, plumbers' brass goods, all brass hand pumps, plumbing goods for navy work suitable for all navies, pump closets for marine work. Cable address, "Sanos," New York. Code, Western Union.

Jennings Silver Company, Irvington, N. J. Export office, 9 Maiden lane, New York. Silver plated toilet ware, manicure goods, shaving stands, mesh bags, shaving sets, hollow-ware. Cable address, "Jennings," Irvington. Code, Western Union.

Russell Jennings Manufacturing Company, Chester, Conn. New York agent, W. H. Simpson Co., 30 Church street. Auger, machine and expansive bits; precision auger bits, gimlets and dowel bits; precision braces, screw drivers. Cable address, "Rusjenco," Chester, Conn. Code, Western Union.

The Andrew Jergens Company, Cincinnati, Ohio. Export office, 365 Broadway, New York. "Woodbury's" facial soap, toilet soaps, perfumes and toilet preparations.

Jewell Belting Company, 55 Trumbull street, Hartford, Conn. New York office, 2 Rector street. All grades of leather belting, including waterproof cemented belting in leather of oak and chrome tannage, round belting, belt hooks, lace leather, cut lacing, belt cement, belt dressing. Foreign agents: Cuba Importation Co., Havana, Cuba; Sommer, Herrmann & Co., Mexico City and Vera Cruz; Korff, Honsberg & Co., Mexico City, Mexico; Nanavati, Vivienne & Co., Bombay, India; Tziu Ching Yuan Co., Hankow, China; Jean G. Siderides, Pirèe, Greece; Massoni & Maroni, Milan, Italy; Casteran, Hermanos & Co., Buenos Aires, Argentina. Cable address, "Jewell," Hartford. Code, A B C Fifth edition.

Jewell Steel and Malleable Company, 373 Hertel avenue, Buffalo, N. Y. Steel and malleable castings.

The Jobson-Gifford Company, 30 East Forty-second street, New York. Contracting engineers, bridge building, steel erection, masonry construction, factory building construction. Jobbers of structural steel.

The Johns-Pratt Company, 555 Capitol avenue, Hartford, Conn. "Noark" electric protective devices, moulded mica overhead trolley insulators, "Vulcabeston" moulded insulations, "Vulcabeston" red fibre packing. H. W. Johns-Manville Co., agents in all large cities in the United States. Foreign agents: Turners & Manville, Ltd., 5 Lloyds avenue, London, E. C., England; Philip Frankel, Brisbane, Queensland, Australia; Machin & Wall Co., Havana, Cuba; Crane & Ordway, Winnipeg, Ross & Greig, Montreal, and James Morrison Brass Mfg. Co., Ltd., Toronto, Canada. Cable address, "Johnspratt," Hartford.

H. W. Johns-Manville Company, Forty-first street and Madison avenue, New York. Asbestos in all forms; roofing for all purposes; packing pipe and boiler covering; fire extinguishers; automobile accessories; magnesia products; asphalt products. Cable address, "Wardjohns," New York. Codes, Western Union, Lieber's and A B C Fifth edition Improved.

Johnson Biscuit Company, Fifth and Wall streets, Sioux City, Iowa. Crackers, cakes and confectionery.

Johnson Brothers, 45 Classon avenue, Brooklyn, N. Y. Yellow pine, North Carolina pine, white pine and spruce flooring; North Carolina pine, white pine and spruce ceiling and partition, novelty siding, mouldings and stock

trim. Jobbers of spruce, yellow pine and fir building timbers; boards of spruce, yellow pine, North Carolina pine, white pine and cypress; joists, scantling and squares. A specialty of spruce timber of all sizes and lengths, and of spruce and white pine boards cut in almost any desired way.

Johnson Brothers Shoe Manufacturing Company, Hallowell, Me. Ladies' welt and McKay sewed boots and shoes for retail trade only.

Johnson & Johnson, New Brunswick, N. J. New York office, 100 William street. Medical and surgical plasters, absorbent cotton, surgical dressings, dental specialties. Foreign agents: John Timpson & Co., 104 Golden lane, London, E. C., England; Potter & Birks, Sydney, Australia; Gilmour Bros. & Co., Montreal, Canada. Cable address, "Aqueous," New York. Code, A B C Fifth Improved edition.

B. J. Johnson Soap Company, Fourth and Fowler streets, Milwaukee, Wis. New York office, Woolworth building. "Palmolive" brand soap, cold cream, vanishing cream, shampoo, face powder, talcum powder, shaving soap; "Badger" and "Calumet Family" laundry soap; "Galvanic" soap; "Johnson's" naphtha soap; "Johnson's" pumice soap; "Johnson's" washing powder; "Old Black Joe" tar soap. Foreign agents: Grebe & Diebel, Buenos Aires, Argentina; V. Welsford, Durban, Natal, South Africa; F. W. Breaker, Manila, P. I.; Kataro Horikoshi, Tokio, Japan; Anderson, Meyer & Co., Ltd., Shanghai, China; O. D. O'Neil & Co., San Juan, Porto Rico; B. L. Levy, Panama, Republic of Panama. Cable address, "Palmolive," Milwaukee. Code, A B C Fourth edition.

The Carlyle Johnson Machine Company, 52 Main street, Manchester, Conn. "Johnson" friction clutch, "Johnson" marine reverse gear, "Bud-E" marine motor. Foreign agents: The Efandem Co., Ltd., Tennyson House, 159 Gt. Portland street, London, W., England; Wilh. Sonesson & Co., Malmo, Sweden; Anciens Etab. Glaenzer & Perreaud, 18 Faubourg du Temple, Paris, France; R. D. Aulignac, Casilla Correo 256, Barcelona, Spain. Cable address, "Carlyle," Manchester, Conn. Codes, Lieber's, A B C Fourth edition and Western Union.

James G. Johnson & Company, 2 West Thirty-third street, New York. Millinery goods.

The Johnston Harvester Company, Harvester avenue, Batavia, N. Y. Grain binders; corn binders; headers; reapers; mowers; self-dump rakes; side delivery rakes; hay tedders; hay loaders; manure spreaders; combined grain and fertilizer drills; disc, spring and spike tooth harrows; spring tooth cultivators; land rollers and soil pulverizers. Foreign branch: The Johnston Harvester Co., 148 Boulevard de la Villette, Paris, France. Cable address, "Huntley," Batavia. Codes, A B C and Atlantic.

Robert A. Johnston Company, Florida and Clinton streets, Milwaukee, Wis. Candy and biscuits.

William G. Johnston Company, 429 Wood street, Pittsburgh, Pa. New York office, 113 Worth street. Stationers, printers, binders, loose leaf ledgers and systems, engravers. Jobbers of binders and loose leaf ledgers.

Jonas & Naumburg, Inc., 7 Washington place, New York. Factory also at 510 West Thirty-fifth street, New York. Hatters' furs. Cable address, "Paviage," New York. Codes, Western Union, Lieber's and A B C Fourth and Fifth editions.

Jones Brothers Tea Company, 68 Jay street, Brooklyn, N. Y. White and laundry soaps, spices, baking powder, all flavoring extracts, root beer extract, orange phosphate, machine oil, furniture polish, salad dressing, prepared mustard, laundry blue, shredded cocoanut, talcum powder, toilet cream and silver polish. Cable address, "Jobro," Brooklyn. Code, A B C.

Jones of Binghamton, Binghamton, N. Y. Export office, 24 State street, New York. Scales. Cable address, "Albicora," New York. Codes, A B C Fourth and Fifth editions, Western Union and Lieber's.

Jones & Kuhlke, 48 West Exchange street, Akron, Ohio. Non-skid drums, plain and non-skid molds and cores, special machinery.

E. D. Jones & Sons Company, 25 Depot street, Pittsfield, Mass. Machinery for use in pulp and paper mills. Foreign agents: Aktieselskabet Lorentzen & Wettre, Kristiania, Norway, for Norway, Sweden and Russia. Cable address, "Jonansen," Pittsfield. Codes, A B C Fifth edition, Lieber's and Western Union.

The H. C. Jones Company, Washington and Ash streets, Conshohocken, Pa. New York office, Room 1809, 215 Fourth avenue. Cotton worsteds and cottonades for men's wear. Foreign agent: Wm. Lewis, 316 Pitt street, Sydney, Australia. Cable address, "Cottonade," Conshohocken. Code, Western Union Universal edition.

Phineas Jones & Company, Inc., 305 Market street, Newark, N. J. Vehicle wheels of all kinds. Jobbers of wheel material, automobile rims of all kinds. Cable address, "Phineas," Newark.

Jordan Motor Car Company, 1054 East 152d street, Cleveland, Ohio. "Jordan" automobiles: seven-passenger touring car, four-passenger sport model, two-passenger roadster, seven-passenger limousine, seven-passenger sedan, four-passenger coupe.

The Joseph & Feiss Company, 632 St. Clair avenue, N. W., Cleveland, Ohio. New York office, 215 Fourth avenue. Men's and young men's clothing.

Joslin Manufacturing Company, Providence, R. I. Shoe laces, corset laces and cotton yarn.

H. L. Judd Company, 87 Chambers street, New York. Upholstery hardware, brass goods, fancy goods in metal, stationers' hardware, bright wire goods, wooden curtain poles and fixtures. Cable address, "Judust," New York. Code, Lieber's.

The Judson Governor Company, Rochester, N. Y. Steam engine governors, gas and gasoline governors and asbestos packed plug cocks.

A. D. Juilliard & Company, 70 Worth street, New York. Dry goods.

Jung & Klitz, 1 Maiden lane, New York. Platinum diamond mounted jewelry of all descriptions.

Kahlenberg Brothers Company, Two Rivers, Wis. Marine gasoline and kerosene engines, crude oil engines. Cable address, "Kahlenberg," Two Rivers, Wis. Codes, Western Union and private.

Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. New York office, 200 Fifth avenue. Pure vegetable parchment paper, waxed paper, bread wrappers, a line of paper specialties for home use, waterproof paper specialties. Foreign agents: H. Plaut Trading Co., Montevideo 255, Buenos Aires, Argentina; Cesaro Gonzalez, Aguiar 126, Havana, Cuba; L. Garcia Vila, Vigo, Spain; J. Maximiano & Cia, Curityba, Brazil; Hermann Haege, Pitt and Bond streets, Sydney, Australia; L. S. Dixon & Co., Ltd., Cable street, Liverpool, England; Victoria & Paper Twine Co., 439 Wellington street, W., Toronto, Canada. Cable address, "Vegparco," Kalamazoo. Code, Western Union.

Franklin H. Kalbfleisch Company, 31 Union square, West, New York. Pure acids for all purposes: acetic, dipping, mixed, muriatic, nitric, sulphuric, hydrochloric; alum: crystal, burnt, filter, special giant filter, paper makers; special highly basic, special for textile arts, C. T. S. or S. A. S.; aluminum sulphate, aqua ammonia; aqua fortis; artificial salts; banana liquid; battery fluid; chromitron; distilled water; electrolyte; Glauber's salt; chloride of iron, nitrate of iron and per-chloride of iron; lacquers and thinners; nitrate of mercury, nitre cake; non-freezing solution (fire extinguisher); sal soda; salt cake; sulphate of soda; soldering fluids. Cable address, "Oquedal," New York.

Kalle Color and Chemical Company, Inc., 530 Canal street, New York. Aniline colors, dyestuffs, chemicals and pharmaceutical products.

Kaltenbach & Stephens, Inc., 56 Bigelow street, Newark, N. J. Silk ribbons.

John Kam Malting Company, 377 East Genesee street, Buffalo, N. Y. Malt.

The Kansas City Breweries Company, Kansas City, Mo. Lager beer, low per cent beer, malt.

Kansas City Hay Press Company, Kansas City, Mo. Hay presses and traction engines. Cable address, "Lightning." Kansas City. Code, A B C, Fifth edition.

Kansas City Packing Box Company, Kansas City, Kans. Wooden boxes, nailed, lock corners and wire bound; box shooks; solid fibre and corrugated fibre boxes.

S. Karpen & Brothers, 636 West Twenty-second street, Chicago, Ill. Export office, Thirty-seventh street and Broadway, New York. Upholstered furniture, fibre-rush furniture, dining chairs, bedroom chairs, office chairs, and special furniture for clubs, lodges, public buildings and residences. Cable address, "Karpenbros," New York. Codes: Western Union Fourth and Fifth editions.

Katterman & Mitchell Company, 316 Straight street, Paterson, N. J. Broad and tie silks, mufflers and handkerchiefs.

Katzenbach & Bullock Company, 100 William street, New York. Offices at Trenton, N. J., Chicago, Ill., and San Francisco, Cal. Factory, Gulf States Whiting Co., Mobile, Ala., Whiting. Jobbers of a general line of colors and chemicals for rubber, paint, textile trades, etc. Cable address, "Kabock," New York. Codes, A B C Fifth edition, Lieber's and Simplex.

Kautzmann & Company, 112 Arlington street, Newark, N. J. New York office, 3 Maiden lane. Rings of 10-kt gold.

Kavanaugh Knitting Company, Inc., Waterford, N. Y. New York office, room 1111, 51 Chambers street. Men's balbriggan and lisle underwear and finished sewing thread. Export agents, Doull, Miller Co., 79 Worth street, New York.

Thomas Kay Woolen Mill Company, Salem, Ore. Mackinaws, blankets, flannels and suitings.

Julius Kayser & Company, Sydney, N. Y. New York office, 45 East Seventeenth street. Silk and fabric gloves, silk and cotton underwear, silk hosiery, silk nets, silk sweaters. Cable address, "Fingertip," New York.

The Kearns-Gorsuch Bottle Company, Zanesville, Ohio. New York office, 172 Fulton street. Flint glass bottles. Foreign agents: Reade Merrill Co., 26 Holborn Viaduct, E. C., London, England; Emilio Moran, Casilla Correo 1737, Buenos Aires, Argentina.

Keasbey & Mattison Company, Ambler, Pa. New York office, 217 Broadway. Asbestos textiles, packings, paper and millboards; magnesia steam pipe and boiler coverings; pharmaceutical products of magnesia. Jobbers of crude and fibre asbestos. Cable address, "Dextro," Philadelphia. Code, Western Union, Universal edition.

Kee Lox Manufacturing Company, 10 Kee Lox place, Rochester, N. Y. New York office, 99 Nassau street. Carbon papers for all purposes, such as typewriter, pencil, pen, stylus, etc.; typewriter ribbons for all machines. Cable address, "Keelox," Rochester.

Francis Keil & Son, 401 East 163d street, New York. Sheaves and track for show cases, show case and miscellaneous hardware, electrical house goods, key blanks. Cable address, "Keilon," New York. Code, Western Union.

John R. Keim, 11 West Thirty-second street, New York. Jewelry. Jobbers of jewelry and precious stones.

J. R. Keim & Company, Inc. (Shackamaxon Mills), Hancock street and Allegheny avenue, Philadelphia, Pa. New York office, 257 Fourth avenue. Fabrics for men's wear, including serges, black and blue cheviots, unfinished worsteds and dress cloths and large line of fancy patterns, also cloth for women's shoe tops. Foreign agents: United States Trading Corp., P. O. Box 43, Utrecht, Holland; R. Baquerizo Moreno, P. O. Box 209, Guayaquil, Ecuador; D. Englebert & Co., Inc., P. O. Box 697, Manila, P. I.; Nicolas T. Karameros, 15 Aristotelous street, Athens, Greece; H. A. Wekili & Co., Teheran, Persia. Cable address, "Keim," Philadelphia. Codes, A B C Fifth edition, and Lieber's Five Letter.

Geo. E. Keith Company, Station avenue, Campello, Mass. New York office, 179 Broadway. "Walk Over" shoes for men and women. Foreign agents: Vincenzo Murino, Rome, Italy; Walk Over Shoe Co., 372 Oxford street, London, England, and 34 Boulevard des Italiens, Paris, France; H. O. Coates & Co., 167a The Strand, Sydney, Australia. Cable address, "Campellaro," New York. Codes: Lieber's, Western Union, A B C Fourth and Fifth editions.

Preston B. Keith Shoe Company, 15 Rutland square, Campello station, Brockton, Mass. New York office, 127 Duane street. Men's fine and medium grade Goodyear welt shoes. Foreign agent, Caesar F. Curcio, Naples, Italy. Cables address, "Konqueror," Brockton. Codes, A B C and Western Union.

Keller Mechanical Engraving Company, 70 Washington street, Brooklyn, N. Y. Die cutting machines and dies. Foreign agents: Alfred Herbert, Ltd., of Coventry, England; Paris, France, and Milan, Italy; Moscow Machine Tool & Engine Co., Moscow, Russia; Maatschappij Van Berkel's Patent, Rotterdam, Holland; A/S G. Hartman, Christiania, Norway. Cable address, "Kelmecco," Brooklyn.

Kellogg Switchboard & Supply Company, 1066 West Adams street, Chicago, Ill. Switchboard, telephones, telephone apparatus. Cable address, Switchboard," Chicago. Codes, Western Union and A B C Fifth edition.

Charles C. Kellogg & Sons Company, 477 Genesee street, Utica, N. Y. Lumber: spruce, hemlock, white pine; lath and shingles. Jobbers of doors, sash and cabinet work.

Spencer Kellogg & Sons, Inc., 98 Delaware avenue, Buffalo, N. Y. New York office, 100 William street. Linseed oil, castor oil, oil cake, oil meal, castor pomace for fertilizer and foundry oils. Foreign agents: Goosseus & Van Rossem, Rotterdam, Holland; E. Gigy O'Farrell, Mgr., Spencer Kellogg & Sons of South America, Buenos Aires, Argentina. Cable address, "Aged," Buffalo. Codes, A B C Fourth, Fifth and Improved editions; Baltimore Export Second and Third editions; Lieber's, Robinson's, Western Union 1900 and Five Letter editions.

Kelly Axe Manufacturing Company, Charleston, W. Va. Export office, 44 Whitehall street. Axes, hatchets, hammers, scythes, adzes, hay knives, corn knives, grass hooks, bush hooks, bill hooks, picks, mattocks, hickory handles and hedge trimmers. Cable address, "Kellaxe," New York. Codes: A B C Fourth and Fifth editions, Standard and Western Union, Universal edition.

The Kelly-Springfield Motor Truck Company, 515 Burt street, Springfield, Ohio. Export office, 120 Broadway, New York. Motor trucks and parts. Foreign agents: Chas. F. Lamb, 75b Queen Victoria street, London, E. C., England; Anzac Motor Co., London, England; European representative, H. H. Robinson, care of Charles F. Lamb, 65b Queen Victoria street, London, E. C., England. Cable Address, "Kelleytrux," Springfield, Ohio. Code, International.

Kelly-Springfield Tire Company, Broadway and Fifty-seventh street, New York. Export office, 229 West Fifty-seventh street, New York. "Kelly-Springfield" brand of automobile tires, truck tires and carriage tires. Cable address, "Keltire," New York. Codes, Lieber's; A B C Fifth edition; Western Union.

John Kelly, Inc., Rochester, N. Y. Women's high grade shoes.

The O. S. Kelly Company, 315 North Limestone street, Springfield, Ohio. Piano plates, castings, etc.

The R. A. Kelly Company, Xenia, Ohio. Sisal and manila rope, binder and sisal twine, baling cord, lath and fodder yarn.

Thomas Kelly & Company, 89 Chauncy street, Boston, Mass. New York office, 74 Franklin street. Wool and cotton blankets and travelling rugs. Cable address, "Kelly," Boston.

Kelsey Heating Company, Inc., 277 James street, Syracuse, N. Y. Detroit office, space 95, Builders' Exchange. Boston office, 405 Post Office Square building. New York Office, 103 Park avenue. "Kelsey" warm air generators, "Monroe" tubular heaters, tin pipe and fittings, "Kelsey" automatic humidifiers, "Kelsey" battery systems for large buildings. Jobbers of water fronts, wood faces, registers, tank heaters, radiation, thermostats, asbestos cement, asbestos sheathing, wire grilles, roof ventilators, motors, fans, blowers, auxiliary boilers.

Kelsey Wheel Company, Inc., 1250 Military avenue, Detroit, Mich. Complete automobile wheels, "Kelsey" rims and "Kelsey Ford" demountable wheels. Cable address, "Kelbake," Detroit. Codes, Western Union.

The Kemper-Thomas Company, Cincinntai, Ohio. Reproduce original oil and water color pictures by process for calendars, also fans, cloth goods, novelties and leather goods, all for advertising. Cable address, "Kemtomco," Cincinnati. Codes, A B C Fourth and Fifth editions.

Charles H. Kemper, Riverside avenue, Westport, Conn. Hat sweats (roans, skivers and artificial), skivers for bag, case and novelty trades in tans, browns, straws, champagnes and blacks. Cable address, "Kemper," Westport.

The Kempsmith Manufacturing Company, Station "A," Milwaukee, Wis. Milling machines and attachments. Foreign agents: Edgar Bloxham, Inc., Paris, France; Silson Engineering Co., London, England; Nielson & Winthers, Copenhagen, Denmark; Iznosskoff & Co., Petrograd, Russia. Cable address, "Kempsmith," Milwaukee. Codes: A B C Fifth edition, Lieber's, Western Union Universal and Five Letter editions.

Kennedy & Britt (Conshohocken Dye and Finishing Works), Mascher and Jefferson streets, Philadelphia, Pa. Dyers and finishers.

Kennedy & Peterson Construction Company, Winthrop building, Boston, Mass. Builders.

Kent Mill Company, 10 Rapelyea street, Brooklyn, N. Y. New York office, 170 Broadway. Pulverizers, separators, and screens for cement, phosphate, limestone and ore; stone or rock crushers; ore crushing rolls. Cable address, "Kenmilco," New York. Code, Lieber's.

C. Kenyon Company, 754 Pacific street, Brooklyn, N. Y., New York office, 200 Fifth avenue. Raincoats, overcoats, women's cloaks, mackinaws, automobile coats, dusters, outing suits, etc. Foreign agents: H. V. Cowie, 77 York street, Toronto, Canada; A. G. Pincus, Cuba 24, Havana, Cuba; Muller & Phipps, Englewood, N. J., for Asiatic countries. Cable address, "Kenreign," New York. Codes: Lieber's, A B C Fifth edition.

H. S. Kerbaugh, Inc., 6 Church street, New York. Contractors' dump cars, steam shovels, etc., and general repairs to contractors' equipment.

The Kerite Insulated Wire and Cable Company, 30 Church street, New York. Insulated wire and cables.

Alexander Kerr, Brother & Company, 516 North Delaware avenue, Philadelphia, Pa. Manufacturers and importers of salt.

E. Kessling Thermometer Company, Inc., 96 Suydam street, Brooklyn, N. Y. Thermometers of all kinds; clinical thermometers a specialty; hypodermic syringes; hydrometers of all kinds.

O. W. Ketcham, 24 South Seventh street, Philadelphia, Pa. New York office, 1170 Broadway. Architectural terra cotta. Jobbers of face bricks, hollow tile, fire proofing and roofing tile.

Ketterlinus Lithographic Manufacturing Company, northwest corner Fourth and Arch streets, Philadelphia, Pa. New York office, 309 Broadway. Paper advertising novelties, de luxe material; calendars, hangers, fans, monthly cards and blotters, etc., lithographed, quadri-color, duotones and halftones. Sell only through accredited jobbers. Cable address, "Ketterlinus," Philadelphia. All standard codes.

Keyless Auto Clock Company, Inc., successors to the Phinney-Walker Keyless Clock Company, 246 West Fifty-ninth street, New York. Clocks. Cable address, "Kelesclock," New York.

The Keyless Lock Company, Indianapolis, Ind. Steel furniture and post-office lock boxes.

Keystone Bronze Company, Thirty-ninth street and Allegheny Valley railroad, Pittsburgh, Pa. Copper, bronze and aluminum castings for rolling mills and steel works; copper and bronze tuyeres, coolers and Bosh plates; mill, locomotive and car bearings; machinery castings; babbitt metals, etc.; "Knox" patented water cooled open hearth doors, frames, etc., five, ten and fifteen per cent phosphor copper. Foreign agent for Continental Europe and England, R. J. Conheim, 42 Rue d'Enghien, Paris, France.

Keystone Driller Company, Beaver Falls, Pa. New York office, 170 Broadway. Steam shovels combined as grader, loader and trench digger; light self-moving oil well machinery; water well drillers; traction centrifugal pumps, deep well power pumps; prospecting machines for lead, zinc, coal, etc.; supplies for oil and water well drillers. Foreign agents: International Engineering and Trading Co., Petrograd, Russia; Oscar Taves Co., Rio de Janeiro, Brazil; Mangold Bros., Port Elizabeth, South Africa; N. Guthridge, Ltd., Sydney, Australia; Frazer & Chalmers. Moorgate Hall, Finsbury Pavement, London, E. C., England. Cable address, "Driller," Beaver Falls. Codes: Western Union, A B C Fourth and Fifth editions.

Keystone Leather Company, 327 Arch street, Philadelphia, Pa. "Keystone Kid" (black glazed kid) leather. Cable address, "Keykid," Philadelphia. Codes: A B C Fifth edition, Western Union, Lieber's, Widebrook.

Keystone Roofing Manufacturing Company, York, Pa. New York office, 290 Broadway. "Samson," "X Laid," "Conewago," "Suffolk" brands asphalt roofing; "Keystone" brand shingles and slate surfaced roofing; "Conewago," "Keystone" and "Atlas" insulating papers; "Keystone" brands, duplex, single coated, muslin and burlap lined waterproof paper. Jobbers of tarred roofings and sheathing papers. Cable address, "Keyroofco," York. Code, Western Union.

Keystone Steel and Wire Company, South Bartonville, Peoria, Ill. Wire fence nails, staples, barbed wire, gates, stretchers and bale ties. Cable address, "Keystone," Peoria.

The Keystone Watch Case Company, 1411 Walnut street, Philadelphia, Pa. Export office, Riverside, N. J New York office, 15 Maiden lane. Complete watches, watch cases, watch movements and materials for same. Export sales agents for The Elgin National Watch Company. Branch offices: 414 Walnut street, Cincinnati, Ohio; 29 East Madison street, Chicago, Ill.; 150 Post street, San Francisco, Cal.; Stevenage House, 40 Holborn Viaduct, London, England; Rue Listard 1, Geneva, Switzerland; National Mutual building, Market and Rissik streets, Johannesburg, South Africa; Denison house, 378 George street, Sydney, Australia; Escolta 121, Manila, P. I.; King street near Fort street, Honolulu, Hawaii; San Jose 29, San Juan, Porto Rico. Cable address, "Boss," Riverside, N .J. Codes: Western Union, A B C Fourth and Fifth editions, Lieber's, Marconi Wireless.

Kibbe Brothers Company, 37 Harrison avenue. Springfield. Mass. A full line of confectionery.

Kieckhefer Box Company, Sixteenth street viaduct and Canal street, Milwaukee, Wis. Wood, fibre and corrugated shipping containers.

Kier Fire Brick Company, 2243 Oliver building, Pittsburgh, Pa. Fire clay brick and silica brick for all furnace purposes.

The Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio. New York office, 25 Broad street. Wheelbarrows of all kinds, tubular, all steel, steel tray and wooden; drag and wheel scrapers; grading plows and dump carts; railroad, warehouse, wood and all steel trucks; express wagons and baggage barrows; push carts and concrete carts; contractors' steam shovel dump cars, automatic air dump cars, etc., mine and industrial cars, etc. London office, Broad Street house, New Broad street, London, E. C., England. Cable address, "Kilbourne," Columbus. Code: Western Union, A B C Fourth and Fifth editions, Lieber's, A1 and private.

Dr. Kilmer & Company, corner Lewis and Chenango streets, Binghamton, N. Y. Dr. Kilmer's "Swamp-Root" kidney, liver and bladder remedy, "O and W" heart remedy, female remedy, "W and O" anointment, cough remedy, "Parilla" liver pills, hard rubber pile pipes. Foreign branch, 173 Marylebone road, London, N. W., England. Cable addresses: "Kilswaroot," London; "Kilmercan," Binghamton. Code, Western Union.

Kimball Brothers & Sprague, 157 Centre street, Brockton, Mass. Last turning machinery, last lathes, gun stock turning lathes, last block rough turning lathes, lathes for turning irregular forms, tack making machines, shoe nail machines, tumbling barrels. Jobbers of steel split pulleys, belting, wood pulleys, shafting, couplings and hangers. Cable address, "Sprague," Brockton. Codes: A B C Fourth and Fifth editions and Western Union.

Alfred Kimball Shoe Company, main office and factory, Blanchard street, Lawrence, Mass. Sales office, 54 Lincoln street, Boston, Mass. Men's McKay sewed shoes.

W. W. Kimball Company, 300 South Wabash avenue, Chicago, Ill. Pianos, pipe organs, reed organs, player-pianos (self-playing pianos), piano and organ stools and benches, piano scarfs. Cable address, "Kimball," Chicago. Code, Universal.

Kimberly-Clark Company, Neenah, Wis. Writing, book, wrapping, and print paper.

The King Machine Tool Company, Clifton avenue and B. & O. S. W. railroad, Cincinnati, Ohio. Vertical boring and turning mills from 30" to 100". Foreign agents: Selson Engineering Co., London, England; R. S. Stokvis & Zonen, Roterdam, Holland; R. S. Stokvis & Fils, Paris, France. Cable address, "Lauderdale," Cincinnati. Codes: Lieber's and Western Union.

King Paper Company, Kalamazoo, Mich. Super-calendar and extra machine finish book paper, writing, envelope, offset, lithograph, label and coated papers. Cable address, "Kipaco," Kalamazoo. Code, Western Union.

King Philip Mills, 78 Bedford street, Fall River, Mass. New York agent, S. H. Howe, 58 Leonard street. Lawns, nainsooks, long cloths, fancy shirtings, sateens, voiles, etc.

Kingan & Company, Ltd., Indianapolis, Ind. Pork and beef products. Cable address, "Kingans," Indianapolis.

Kinnear Manufacturing Company, Columbus, Ohio. Steel rolling doors, "Bi-fold" doors, wood rolling doors for round houses, wood rolling partitions, underwriters' labeled steel rolling doors, "Ajax" sliding fire doors.

The Kirk-Latty Manufacturing Company, 8403 Madison avenue, Cleveland, Ohio. Export agents: John H. Graham Company, 113 Chambers street, New York. Bolts, nuts, rivets and children's vehicles. Cable address, "Latty," Cleveland. Codes, A B C Fourth and Fifth editions.

James S. Kirk & Company, 106 East Austin avenue, Chicago, Ill. New York office, 203 West Broadway. Laundry and toilet soaps, talcum powders, perfume and toilet waters, glycerine. Cable address, "Domkirk," Chicago. Code, A B C Fifth edition.

Kirkman & Son, Bridge and Water streets, Brooklyn, N. Y. "Kirkman's" borax soap, white floating soap, soap powder in 14 oz. and 4 lb. sizes, scouring powder, 16 oz. size.

Kistler, Lesh & Company, 319 A street, Boston, Mass. Leather for belting and sole leather. Cable address, "Hixfenal," Boston. Codes, Lieber's, Widebrook, A B C Fifth edition.

Kittanning Iron and Steel Manufacturing Company, Farmers' Bank building, Pittsburgh, Pa. Pig iron and muck bar. Cable address, "Kitsteel," Pittsburgh.

Klauer Manufacturing Company, 8 Washington street, Dubuque, Iowa. Chicago office, 140 North Dearborn street. Ornamental steel ceiling, corrugated roofing and siding, rain water conductor pipes, eaves troughs cut-offs and fasteners for same, metal corner board, ventilators, silo roofs, skylights, wall ties, ridge roll, flume, garage heaters, hip shingles, elbows and shoes for conductors. Jobbers of asbestos sheathing paper, cornice brakes, roofing cements, chimney caps, dampers and clips, furnace cement, soldering furnace, flat galvanized sheets, metal lathe, lead washers, solder, soldering coppers, conductor pipe strainers, zinc sheets.

Klaxon Company, Wright street, Newark, N. J. Warning signals. Export agent, J. E. Sitterly, 47 Broadway, New York.

The Klein-Logan Company, South Thirteenth and Breed streets, Pittsburgh, Pa. Export office, 74 Murray street, New York. Mattocks, hoes, coopers' froes, picks, hammers, sledges, mauls, wood wedges, stone and coal wedges, crow bars, lining bars, tamping bars, claw bars, solid steel post hole diggers, miners' tools, blacksmith's tools and railroad track tools, contractors' supplies, cold chisels. Cable address, "Kleinlogan," Pittsburgh. Code, Western Union.

Peter Klerner Furniture Company, Main and East streets, New Albany, Indiana. Wooden beds, dressers, dressing or toilet tables, chiffoniers, night tables, washstands or commodes.

Klotz Throwing Company, 25 Madison avenue, New York. Commission silk throwsters.

Knickerbocker Chocolate Company, 445 West Thirty-first street, New York. Chocolate, cocoa, rock candy and rock candy syrups.

Knickerbocker Fuel Company, 1 Broadway, New York. Miners and shippers of anthracite, semi-bituminous and bituminous coals.

Knickerbocker Ice Company, 1480 Broadway, New York. Ice.

Knickerbocker Lime Compny, Finance building, Philadelphia, Pa. New York office, 103 Park avenue. "Knickerbocker" brand of building, chemical, agricultural and hydrated limes; plaster; fluxing stone.

M. D. Knowlton Company, 29 Elizabeth street, Rochester, N. Y. Chicago office, 856 West Adams street. New York office, 203 Wooster street. All kinds and sizes of paper making machinery, fibre and corrugated board shipping case machinery, gummed papers, ball bearings (balls and plates). Foreign agents: Andrew & Suter, 23 Goswell road, London, E. C., England. Cable address, "Stayer," Rochester. Code, A B C.

Knox Hat Company, Inc., 452 Fifth avenue, New York. Derby, soft, straw and silk hats for men; sport and dress hats for women. Cable address, "Knoxat," New York. Codes, Lieber's and Western Union.

Knoxville Iron Company, Knoxville, Tenn. Bar iron and steel tires, rounds, flats, angles, channels, twisted bars.

The Kny-Scheerer Corporation, 404 West Twenty-seventh street, New York. Surgical instruments, hospital furniture, hospital supplies, X-ray and electro-medical apparatus, sterilizing and disinfecting apparatus, medico-mechanical apparatus, hot air baking apparatus, hydrotherapeutic apparatus. Jobbers of laboratory supplies and naturalists' supplies. Foreign agents: The M. Favarger & Co., 34 Bloomsbury square, London, W. C., England; Luis G. Roca, Barcelona, Spain; Henry G. Bloomfield, Petrograd, Russia. Cable address, "Chirurge," or "Aseptic," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

Kohler Company, Kohler, Wis. New York office, 20 West Forty-sixth street. Porcelain enameled bath tubs, lavatories, sinks, laundry trays, drinking fountains, closet tanks, urinals. Jobbers of bathroom accessories and plumbers' supplies. Foreign branch, 329 High Holborn, W. C., London, England. Cable address, "Erkohl," Kohler, Wis.

Kohler & Campbell, Inc., Eleventh avenue and Fiftieth street, New York. Player-pianos, upright and grand pianos, piano supplies. Cable address, "Kohbell," New York.

The F. E. Kohler Company, 1006 Tuscarawas street, East, Canton, Ohio. Anti-rattlers, dandelion spud, post hole diggers, steel door pulls; malleable D tops, garden, potato and weeding hoes; rotary hand planters, lawn rakes, steel garden rakes, sidewalk scrapers, kettle scrapers, wall scrapers, shovels, scoops, spades, snow shovels, soldering copper handles, turf edgers; garden trowels, plastering, brick and pointing trowels; weed extractor. Foreign agents, Hugo Lazar & Co., Johannesburg, South Africa. Cable address, "Kohlerco," Canton. Code, private.

H. Kohnstamm & Company, 87 Park place, New York. Carmine and lakes colors, colors for confectioners and food products, flavoring extracts, laundry supplies. Cable address, "Kohnstamm," New York. Codes, Lieber's and A B C.

Koken Barbers' Supply Company, 2528 Texas avenue, St. Louis, Mo. Chairs and fixtures for barbers, chiropodists and beauty parlors, barber sundries, chiropody remedies, beauty parlor sundries, hair dressing supplies, razor strops. Cable address, "Koken," St. Louis. Codes, Lieber's and A B C Fifth edition.

Kokomo Rubber Company, 80 Main street, Kokomo, Ind. Automobile, bicycle, motorcycle tires and tubes.

The Otto Konigslow Manufacturing Company, East Thirty-fifth street and Perkins avenue, Cleveland, Ohio. Automobile parts, special machine work, sheet metal stampings in large quantities from blue prints only.

Kosmos Portland Cement Company, Inc., Kosmosdale, Ky. "Kosmos" Portland cement.

L. O. Koven & Brother, 154 Ogden avenue, Jersey City, N. J. New York office, 50 Cliff street. Galvanized range boilers, hot water tanks, blow-off tanks, expansion tanks, air tanks, gasoline tanks, engineers' cans, autoclaves, oily waste cans, copper digesters, vacuum dryers, glue pot heaters, humidifiers, copper kettles, soda and potash kettles, china kilns, percolators, air receivers, sand blast machines, factory wash sinks, bottle sterilizers, septic tanks for sewage disposal. Cable address, "Kovenlo," New York. Code, Western Union.

Louis Kraemer & Company, Reading, Pa. Cassimeres and trousers. Cable address, "Kraemer," Reading. Codes: Lieber's, A B C, Western Union.

The Kraetzer-Cured Lumber Company, Findlay and McLean avenue, Cincinnati, Ohio. Lumber.

Kraeuter & Company, Inc., 581 Eighteenth avenue, Newark, N. J. Steel pliers, ticket punches, star drills, cold chisels, general line of tools.

Krajewski-Pesant Corporation, 15 William street, New York. Sugar cane mills and crushers, vacuum pans, crystallizers, defecators, effects, juice heaters. Cable address, "Idolwax," New York. Codes: New Business, Lieber's Standard, Western Union, A B C Fifth edition.

Kranich & Bach, 235 East Twenty-third street, New York. Pianos and piano players.

The Krebs Pigment and Chemical Company, Newport, Delaware. Export office, 217 Broadway, New York. Ponolith (standard 30 per cent lithophone), cadmium sulphite (cadmium yellow). Cable address, "Krebs," Wilmington. Codes: Western Union and A B C Fifth edition.

Krementz & Company, 49 Chestnut street, Newark, N. J. New York office, 286 Fifth avenue. A complete line of solid 14-kt. gold, diamond and platinum jewelry, also a line of "Krementz" specialties of 14-kt. rolled gold plate, consisting of collar buttons, cuff-buttons, tie clips and the "Krementz" bodkin clutch studs and vest buttons. Foreign agents: G. M. Maluf, Havana, Cuba; J. E. Barbosa, Rio de Janiero, Brazil; Robt. Ingersol & Bro., London, England; H. E. Heacock Co., Manila, P. I.; B. L. Levy, Panama, Panama; Chas. E. Pope, Buenos Aires, Argentina; Benito Gonzalez, San Juan, P. R.; Caesar F. Curcio, Naples, Italy. Cable address, "Krementz," Newark. Codes: Western Union, A B C.

The Krippendorf-Dittmann Company, Sycamore and New streets, Cincinnati, Ohio. New York office, room 416, Fifth Avenue building. Ladies' shoes, exclusively. Foreign agents: Colebrook & Knight, 44 St. Mary's Axe, London, E. C., England. Cable address, "Kripendorf," Cincinnati.

Kroeschell Brothers Company, 444 West Erie street, Chicago, Ill. Boilers: fire box, return tubular, greenhouse, house heating, water tube, hot water and steam, combination fire and water tube; "Ideal" chain wrenches; ice and refrigerating machinery, CO_2 system for hotels, factories, office buildings, cold storage, ice making, etc.; blast furnaces, smelting and refining furnaces; smoke stacks and iron and steel tanks.

The Krohn-Fechheimer Company, Pendleton, Dandridge and Noah streets, Cincinnati, Ohio. Women's shoes. Cable address, "Krohnfech," Cincinnati. Code, Western Union.

The Kroma Color Company, 424 East Market street, Sandusky, Ohio. Water colors in cakes, pans and tubes for schools, artists, etc.; library paste.

Krout & Fite Manufacturing Company, Allegheny avenue and Emerald street, Philadelphia, Pa. Tapes, bindings and narrow fabrics. Cable address, "Kroutfite," Philadelphia.

Kuhns Brothers, Eaton avenue, Dayton, Ohio. Cast iron screwed fittings.

The Theodor Kundtz Company, corner Winslow and Elm streets, Cleveland, Ohio. Sewing machine cabinets; school, opera, church and portable furniture; automobile platforms and express bodies.

Kupfer Brothers Import Company, 10 East Thirty-second street, New York. Dresses and waists. Cable address, "Kupbros," New York. Codes, A B C and Lieber's.

B. Kuppenheimer & Company, 415 South Franklin street, Chicago, Ill. New York office, 212 Fifth avenue. Men's and young men's clothing.

Kurtz Action Company, Tenth street and Eighteenth avenue, Rockford, Ill. Piano actions.

C. Kurtzmann & Company, 526 Niagara street, Buffalo, N. Y. Upright and grand pianos and player-pianos. Cable address, "Kurtzmann," Buffalo.

La Belle Iron Works, Steubenville, Ohio. New York agent, A. Schroeder, 39 Cortlandt street. Pig iron, slabs, billets, sheet bars, universal plates, sheared plates, groove-rolled plates, skelp, standard weight pipe, line pipe, casing, tubing, black sheets, blue annealed sheets, galvanized sheets, painted and galvanized formed roofing, cut nails. Foreign agents: Drummond, McCall & Co., Ltd., Montreal, Canada; C. V. Hutchins, 3a Calle de Motolinia 28, Mexico City, Mexico.

Lackawanna Chemical Company, First National Bank building, Olean, N. Y. New York export agents, W. S. Gray & Co., 80 Maiden lane. Hardwood charcoal, gray acetate of lime, methyl alcohol, creosote oil and hardwood tar.

The Lackawanna Mills, Brook street, Scranton, Pa. Selling agents, A. S. Haight & Co., 61 Worth street, New York. Men's, ladies' and children's flat wool underwear; ladies' and children's worsted ribbed underwear; ladies' and children's worsted union suits.

La Crosse Rubber Mills Company, La Crosse, Wis. Rubber boots and shoes and tennis shoes.

Lacy Manufacturing Company, 601 Washington building, Los Angeles, Cal. Riveted steel pipe, oil tanks, and sheet and plate steel work. Cable address, "Lacy," Los Angeles. Code, Western Union.

Edward R. Ladew Co., Inc., Glen Cove, N. Y. New York office, 135 Center street. Leather belting, belt cement, leather preservative, welting, round belting. Cable address, "Flintstone," New York.

Lafayette Box Board and Paper Company, Lafayette, Ind. New York office, 1210a Flatiron building. Strawboard.

Laird, Schober & Company, Nineteenth and Buttonwood streets, Philadelphia, Pa. Shoe manufacturers.

The Lake Torpedo Boat Company, foot of Seaview avenue, Bridgeport, Conn. Submarine torpedo boats, their parts and accessories. Cable address, "Laksco," Bridgeport. Codes, Western Union and private.

Lakeside Paper Company, Neenah, Wis. Paper: bible; bonds; book; catalog; eggshell antique laid; M. F. and S. & S. C. French folio; Myriad manifold 8 lb. and 10 lb. folio; manila writing; glazed, unglazed and embossed onion skin; parchment; Semaphore R. R. manila; Tiffany bond 11 lb. folio; waxing; waterleaf and other light and heavy weight specialties. Cable address, "Lapaco," Neenah. Code, Western Union.

The Lakewood Engineering Company, Berea road West of Highland, Cleveland, Ohio. Contractors' equipment and industrial cars.

Lalance & Grosjean Manufacturing Company, 299 Broadway, New York. Sheet steel; stamped and enameled sheet metal vessels; steel sinks; plain, retinned, japanned and planished wares; "Agate" nickel-steel ware; blue and white, all white, robin's egg blue and turquoise and "El-an-Ge" enameled ware kitchen utensils. Cable address, "Agatecliff," New York.

Lambert Hoisting Engine Company, Newark, N. J. Hoisting engines, pile driving engines, dredging engines, erecting engines, mining engines, electric hoists, logging engines; traveling and stationary derricks, derrick fittings, suspension cableways; general contractors' engines, hoisting and conveying engines. Cable address, "Lambert," Newark, N. J. Code, Western Union.

Lambert Pharmacal Company, 2101 Locust street, St. Louis, Mo. Export office, 192 Front street, New York. "Listerine," a liquid antiseptic; "Listerine" dermatic soap; "Listerine" tooth powder; "Listerine" talcum powder; "Listerine" cold cream. Foreign agents: Roberts & Co., 5 Rue de la Paix, Paris, France; S. Maw Son & Sons, London, England; W. Lloyd Wood, Toronto, Canada. Cable address, "Lampharco," St. Louis.

The Lamson Company, 100 Boylston street, Boston, Mass. New York office, 15 West Forty-fourth street. Cash carriers, parcel carriers, pneumatic tubes, light elevators, belt conveyors, bucket hoists, selective conveyors, automatic pick-up and delivery carriers, gravity conveyors, coin cashiers, coin storage trays, delivery room equipment. Foreign agents: Lamson Store Service Co., 20 Cheapside, London, E. C., England. Cable address, "Lamsonco," Boston. Codes: Western Union, Lieber's, A B C Fifth edition and Postal Telegraph.

Lamson & Goodnow Manufacturing Company, Shelburne, Falls, Mass. New York office, 36 Warren street. Cutlery: table, bread, butcher, hunting, kitchen, painters' and druggists', scraping, putty, ink, tobacco and carving knives; butcher steels.

The Lamson & Sessions Company, 2188 Scranton road, Cleveland, Ohio. New York office, 74 Murray street. Bolts: carriage, machine, lag, plow, stove, tire, elevator, hub and wheel, rim, hook, staple, eye and special; nuts: H P and O P C and T; "Bull Dog" and "Double Grip" wire rope clips; wrenches: agriculturals, knife handle and iron handle. Cable address, "Lamsonbolt," Cleveland. Code, Western Union.

Lancaster Mills, 82 Devonshire street, Boston, Mass. Cotton goods manufacturers.

Landis Tool Company, Waynesboro, Pa. New York office, 50 Church street. Cylindrical grinding machines. Cable address, "Landis," Waynesboro. Code, Lieber's.

Lane Manufacturing Company, Montpelier, Vt. "The Lane" circular saw mill; planers; edgers; matchers; log hauls; cutting-off machines; lath, shingle and clapboard machinery; steam feeds and air buffers for saw mill carriages and a large line of general saw mill machinery; electric and rope driven traveling cranes. Cable address, "Lane," Montpelier, Vt. Code, Western Union.

J. H. Lane & Company, Inc., 334 Fourth avenue, New York. Tire fabrics, duck, drills, sheetings, osnaburgs, special heavy cotton fabrics, yarns. Cable address, "Brownleigh," New York.

W. T. Lane & Brother, Ft. Prospect street, Poughkeepsie, N. Y. Cotton duck coal bags, canvas baskets for coal and wood, mills, factories and laundries, canvas laundry shipping hampers and canvas mill, factory and laundry trucks.

John Lang Paper Company, Twenty-fourth and Vine streets, Philadelphia, Pa. Dry saturating felt for roofing, deadening felt and carpet lining.

S. Langsdorf & Company, 72 Spring street, New York. Celluloid novelties, brushes, mirrors, holiday sets and leather goods. Cable address, "Langsdorf," New York. Code, A B C Fifth edition.

Langslow-Fowler Company, 216 Jay street, Rochester, N. Y. New York office, Forty-sixth street and Lexington avenue. Chairs, rockers and mission furniture.

Samuel M. Langston Company, Sixth and Jefferson streets, Camden, N. J. Export agents, John D. Williams Co., 2 Rector street, New York. Paper working machinery, such as paper slitting and rewinding machinery, paper or fibre can making machinery, corrugated paper machinery and printing presses for fibre shipping cases. Foreign agents: T. W. & C. B. Sheridan Company, London, England. Code, A B C Fifth edition.

Lansing Company, Lansing, Mich. Export office, 288 West street, New York. Wheelbarrows; drag and wheeled scrapers; hand, platform, railroad and electrical industrial trucks; hand carts; gasoline engines; concrete machinery; gasoline hoists and pumps; wheels and casters. Foreign agents: Conrado Arostigni, Buenos Aires, Argentina; J. B. Wallis & Company, Sydney, and Richardson, Orr & Co., Melbourne, Australia; Clarcon & Co., London, England. Cable address, "Quolansing," New York. Codes, A B C Fifth edition and Western Union.

Larkin Company, Buffalo, N. Y. Branch offices, Peoria, Ill., and Chicago, Ill. Laundry, scouring, toilet and shaving soaps, soap powders, glycerine, perfumes, pharmacal and toilet preparations, toilet and tooth powders flavoring extracts, baking powders, macaroni, noodles, peanut butter, coffee roasters, spice grinders, tin cans, paints, varnishes, polishes, chairs and women's underwear. Cable address, "Larkin," Buffalo. Codes, A B C Fourth edition and Lieber's.

George Laub's Sons, 1051 Clinton street, Buffalo, N. Y. Harness leather and sole leather. Cable address, "Laub," Buffalo.

The Thomas Laughlin Company, 143 Fore street, Portland, Me. New York office, 154 Nassau street. Anchors, blocks, chocks, clamps, clips, compasses, hooks, lavatories, lights, links, propellers, pumps, rowlocks, shackles, ships' bells, steerers, wire rope sockets, thimbles, turnbuckles, windlasses and a full line of marine hardware. Cable address, "Tomlaf," Portland, Me. Code, Western Union.

Lautz Brothers & Co., Main, Hanover, Lake and Lloyd streets, Buffalo, N. Y. Fine laundry soaps, washing powder, soap powder, scouring powder, neutral oil soap, glycerine, candle pitch. Cable address, "Labroco," Buffalo.

George Lawley & Son Corporation, Ericsson street, Neponset, Boston, Mass. Yachts and boats and parts thereof. Foreign agents: Werner Hansen, Hotel Cosmopolite, Copenhagen, Denmark; G. R. Liljegren, Goteborg, Sweden. Cable address, "Lawley," Boston. Code, Western Union.

Lawrence Manufacturing Co., Ames building, Boston, Mass. Cotton hosiery and underwear, and cotton hosiery yarns.

The Lawrence Steel Construction Company, 3324 Smallman street, Pittsburgh, Pa. General contractors.

Lawrence & Company, 89 Franklin street, Boston, Mass. New York export office, 24 Thomas street. Cotton lawns, baptistes, beach cloth, twills, serges, voiles, challies, poplins, crepes, percales, cambrics, ginghams, shirtings, flannels, cotton and woolen dress goods, cashmeres, bleached muslins, nainsooks, khakis, corduroys, uniform cloth, velveteens, blankets, cotton, lisle and fabric hosiery for men, women and children, shoe cloth for linings and backings, imitation leather for shoe tops, automobiles, upholstering, etc. Cable address, "Unitrealm," New York. Codes, Western Union and Commercial.

A. C. Lawrence Leather Company, 161 South street, Boston, Mass. New York office, 19 Spruce street. Leather: bookbinders; calf; grain, buff and split; sheep and patent. Foreign agents: J. Anderson Jun & Co., Copenhagen, Denmark; E. Constantino & L. Birch, Alexandria, Egypt; Rousso & Danon, Piraeus, Greece; Tomas & Co., Buenos Aires, Argentina; Juan Balaguer, Barcelona, Spain; Pedro Gomez Cueto Co., Havana, Cuba; A. J. Strauss, Paris, France; Warren & Strang, Sydney, Australia. Cable address, "Juniper," Boston. Codes, Standard and private.

The Lawton Mills Corporation, 60 Federal street, Boston, Mass. New York office, 66 Leonard street. Fine combed cotton goods and yarns.

The C. A. Lawton Company, De Pere, Wis. New York export office, P. Aubeck, 2 Stone street. Gasoline engines, air compressors, electric lighting plants and transmission machinery. Cable address, "Lawton," De Pere, Wis. Codes, Lieber's and A B C Fifth edition.

W. L. Leavy, Broadway and Bedford avenue, Brooklyn, N. Y. New York office, Fifth avenue at Twenty-seventh street. Children's dresses.

Lebanon Mill Company, 10 Front street, Pawtucket, R. I. Knitted fabrics, including cloakings and dress goods, rubber linings and jersey cloths. Men's light and medium weight cotton and worsted underwear, in union and two piece suits.

Lebanon Woolen Mills, Lebanon, Tenn. New York office, 113 Worth street. Woolen blankets.

The R. K. LeBlond Machine Tool Company, 4609 Eastern avenue, Cincinnati, Ohio. New York office, 2 Rector street. Lathes, milling machines, cutter grinders. Cable address, "Leblond," Cincinnati. Codes, Lieber's, Western Union, private.

Lee Tire and Rubber Company, Conshohocken, Pa. Export office, Lee Tire Sales Co., Inc., 1966 Broadway, New York. "Lee Puncture-Proof" pneumatic tires, red "Velvet" inner tubes, gray tubes, rubber drug sundries, woven varnished insulation tubing, woven catheters, etc. Export agents for all Spanish speaking countries: O'Neill Bros Co., 116 Broad street, New York.

Thos. L. Leedom Company, Bristol, Pa. New York office, 230 Fifth avenue. "Kremlin" seamless worsted Wilton rugs, "Traymore" tones seamless worsted Wilton rugs, "Latoma" seamed Wilton rugs, Wilton carpets and stairs, Blenheim toned chenille rugs, Melrose seamless Scotch rugs, Burma seamless reversible heavy mission rugs, "Tyvan" seamless reversible mission rugs, "Rockdale" all wool Smyrna rugs, art squares or druggets in 3 yard and 4 yard widths, 4-4 and 5-8 ingrain carpets. Code, A B C.

The Lees Manufacturing Company, Westport, Conn. New York export office, 320 Broadway. Twines, cotton and linen finished, sail, seine, hammock and colored; cotton braids, candle wicks, braided, twisted, in balls and special of every kind, sold under the trade names, "La Favorita" and "Octagon."

James Lees & Sons Company, East Fourth street, Bridgeport, Montgomery county, Pa. Chicago office: 466 Insurance Exchange building, 175 West Jackson boulevard. Worsted and woolen yarns.

Lefcourt & Brenner, 153 Madison avenue, New York. Waists and dresses. Foreign agents: Harry Angelo Company, 4 Rue d'Uzès, Paris, France. Cable address, "Lefbren," New York.

A. E. Lefcourt & Company, 136 Madison avenue, New York. Ladies' and misses' suits.

Josephine LeFevre Company, Inc., 329 North Fifteenth street, Philadelphia, Pa. Toilet preparations, including "Nedra" face powder, "Nedra" and "Creme Royale" face cream, rouge, "Zono" tooth paste, "Iristena" soap, preparations for skin, hair and nails, toilet water, etc. Cable address, "Celnart," Philadelphia. Code, A B C.

Chas. Leffler & Company, 49 Clymer street, Brooklyn, N. Y. Power presses, sheet metal working machinery, tin can machinery, special machinery. Cable address, "Leffler," Brooklyn. Code, Western Union.

Henry Lehmuth Company, Ontario and D streets, Philadelphia, Pa. New York office, 220 Fifth avenue. Women's full fashioned silk hosiery in plain colors and novelties.

Leighton Machine Company, Kingston street, Manchester, N. H. Circular latch knitting machine, either rib or single stitches for underwear, jerseys, sweaters, etc. Foreign agents: William Spiers, XL Engineering Works, Walnut street, Leicester, England; F. Jenni-Savseigne, 37 Avenue de la Republique, Paris, France. Cable address, "Leighton Machine," Manchester, N. H.

Lembeck & Betz Eagle Brewing Company, 173 Ninth street, Jersey City, N. J. Lager beers, ales, porters and stouts in packages and bottled.

Leominster Worsted Company, Adams street, Leominster, Mass. Cloth for men's wear.

The Leon-Ferenbach Silk Company, Wilkes-Barre, Pa. New York office, 23 East Twenty-sixth street. Silk throwing.

Lesher, Whitman & Company, Inc., 881 Broadway, New York. Suitings, dress goods and linings.

Levgar Structural Company, 552 West Twenty-third street, New York. New England office, Connecticut Mutual building, Hartford, Conn. Steel construction for bridges and buildings and general contractors for industrial buildings.

Levi, Simson & Company, 880 Broadway, New York. Ladies' neckwear and rufflings. Cable address, "Kraletop," New York.

Levin Bros., Inc., 29 Main street, S. E., Minneapolis, Minn. Upholstered and special furniture for the home, clubs, hotels, lodges and public institutions.

G. Levor & Company, Inc., Gloversville, N. Y. Export office, 88 Gold street, New York. "Levor" brand of mat kid, grain kid and buck, all made of cabretta skins. Cable address, "Levorchild," New York. All standard codes and private code.

M. S. Levy & Sons, Inc., corner of Lombard and Paca streets, Baltimore, Md. New York office, 15 Washington place. Men's, boys' and children's straw hats. Cable address, "Strawlevy," Baltimore. Codes: A B C Fifth edition and Lieber's.

Lewis Foundry and Machine Company, Pittsburgh, Pa. Rolls and rolling mill machinery, such as rolling mills, roll lathes, shears, chilled and sand rolls.

Eugene C. Lewis Company, Huntington, Long Island, N. Y. New York office, Eighth avenue, Thirty-third and Thirty-fourth streets. Bookbinding in all styles.

Frank P. Lewis Cigar Company, 233 North Madison avenue, Peoria, Ill. Cigars.

I. Lewis Cigar Manufacturing Company, 165 Morris avenue, Newark, N. J. New York office, 112 East Nineteenth street. Large and small cigars, cheroots, stogies and smoking tobacco.

Robert Lewis Company, Bridesburg, Pa. New York office, 41 Union square. Upholstered goods, couch and table covers, furniture coverings and curtains of tapestry, silk and cotton, and silk and cotton and chenille combined.

Fred T. Ley & Company, Inc., Springfield, Mass. New York office, 52 Vanderbilt avenue. Industrial and monumental buildings, reinforced concrete, steel construction or mill construction. Jobbers of reinforcing steel.

The Libbey Glass Company, Toledo, Ohio. Bulbs and tubes for making incandescent lamps, blanks for cutting, railroad lantern globes and lenses for signaling, cut glass.

Libby, McNeill & Libby, Inc., Union stock yards, Chicago, Ill. New York office, 120 Hudson street. Canned meats; milk; California fruits and asparagus; Hawaiian pineapple; Alaska salmon; pickles, olives, condiments, etc. (in glass); salt beef in barrels. Foreign branch: Libby, McNeill & Libby, Ltd., 8 Great Tower street, London, England. Cable address, "Libby," Chicago. Codes, Lieber's Standard New edition, A B C Fifth edition, Western Union Old and New editions, private.

W. S. Libby Company, P. O. Box 313 Lewiston, Me. Cotton yarns and blankets.

Lidgerwood Manufacturing Company, 96 Liberty street, New York. Steam, electric, gasoline and belt-driven hoists for all contractors' work; steam and electric mine hoists; blast furnace hoists; dredge engines; steam and electric hoists for all purposes; cargo and dock winches; steering engines; ballast unloaders; cableways; excavating cableways; log handling machines. Foreign agents: Lidgerwood, Ltd., Moorgate Hall, Finsbury Pavement, London, E. C., England; 29-C Rua Sao Bento, Sao Paulo, and 39 Avenida Rio Braneo, Rio de Janeiro, Brazil. Cable address, "Lidgerwood," New York. Codes, Western Union, A B C Fifth edition and Business.

The H. Lieber Company, 24 West Washington street, Indianapolis, Ind. Picture frames, picture frame moldings and frames for mirrors. Jobbers of miter machines and other tools required by dealers in picture frame moldings. Foreign agent: Wilhelm Schmidt, Barthelstrasse 77, Coeln-Ehrenfeld, Germany. Cable address, "Moulding," Indianapolis. Codes, Atlantic Cable and The Premier.

Light & Schlessinger, 18 Washington place, New York. Clothing manufacturers.

The M. C. Lilley & Company, Columbus, Ohio. Uniforms of all kinds, lodge supplies of all kinds, Masonic goods and furniture, hand luggage as suit cases and bags.

Eli Lilly & Company, Indianapolis, Ind. Export office, 203 Fulton street. Pharmaceutical and biological products, empty gelatine capsules. Cable address, "Lillypharm," Indianapolis. All standard codes.

Lima Locomotive Works, Inc., Lima, Ohio. Export office, 30 Church street, New York. Locomotives. Foreign agents: Gibson-Battle & Co., Sydney, Australia; Samuel Samuel & Co., Yokohama, and Taipei, Formosa, Japan; James Holcrow, 18 Coleman street, London, England.

The Lincoln Cotton Mill Company, Evansville, Ind. Cotton drills, duck, sheetings and osnaburg.

The Lincoln Electric Company, East Thirty-eighth and Kelley streets, N. E., Cleveland, Ohio. New York office, care of Read Dresser Engineering Co., Singer building. Induction motors, alternators, direct current motors and generators, synchronous motors, charging apparatus and arc welders.

Lincoln Manufacturing Company, 41 North Main street, Fall River, Mass. Cotton lawns, fancy cottons, silk and cotton mixed fabrics and cotton yarns.

A. J. Lindemann & Hoverson Company, First and Cleveland avenues, Milwaukee, Wis. Kerosene oil cooking and heating stoves, gasoline cooking stoves, gas cooking and heating stoves, combination coal and gas cooking stoves, coal and wood ranges and heating stoves, ovens for kerosene and gasoline stoves, stove pipe and stove pipe elbows, steel dripping pans and steel roast pans. Cable address, "Lindem," Milwaukee. Code, Western Union.

The Lindner Shoe Company, Carlisle, Pa. New York office, 1328 Broadway. Women's fine shoes. Cable address, "Lindner," Carlisle. Code, Atlantic Directory.

The Lindsay Wire Weaving Company, 14025 Aspinwall avenue, Cleveland, Ohio. Brass wire cloth and phosphor bronze wire cloth used in paper making.

The Linen Thread Company, 96 Franklin street, New York. Linen thread.

Link-Belt Company, 329 West Thirty-ninth street, Chicago, Ill. Export office, 299 Broadway, New York. Link chain belting; coal bins; elevator and conveyor buckets; mining and dump cars; iron, malleable iron and steel castings; various kinds of chains; various kinds of conveyors; electric, steam, hand power and locomotive cranes; dredges; coal dryers; grain, water and link-belt elevators; engineers and constructors; fertilizer loaders; shaft hangers and couplings; gearing; electric and mining hoists; car loading, unloading and dumping machines; conveying, hoisting, coal and ore handling, cane handling, mining, packers', paper mill, power transmission, sand mixing and sifting, saw mill, ship loading and unloading, slaughter and packing house, sugar house and special machinery; pillow blocks;

cast iron, friction and split iron pulleys; irrigation pumps; industrial railways; rope drives; perforated metal screens; shafting; dump skips; transfer tables; overhead tramways; industrial railway turntables; ore, coal and sand washing machines; water-intake screens; fly, sheave and sprocket wheels. Cable address, "Linkbelt," Chicago.

Link & Angell, Inc., 71 Austin street, Newark, N. J. Jewelry, all 14-kt.: buttons, brooches, scarf pins, lockets, links, pendants, necklaces, tie clips.

Liondale Bleach, Dye and Print Works, Rockaway, N. J. Bleachers, dyers and printers of cloth.

The Lippincott Glass Company, Alexandria, Ind. Lamp chimneys, gas chimneys, lantern globes, inner arc globes, glass canes, glass tubing, incandescent bulbs, vending machine jars.

Lippitt Woolen Company, corner Main and Bernon streets, Woonsocket, R. I. New York office, 334 Fourth avenue. Worsted goods for men's wear.

Listman Mill Company, La Crosse, Wis. New York office, Produce exchange. Wheat flour. Foreign agents: Lyndsell & Kennedy, London, England; A. R. Gray, Aberdeen, and Robt. Carson & Co., Glasgow, Scotland; Piet Penn, Rotterdam, Holland; Justessen Bros., Copenhagen, Denmark. Code, A B C Fifth edition.

The M. S. Little Manufacturing Company, Hartford, Conn. Brass and steel tubing products; plumbing supplies such as elbows, offsets and supply pipes for closet tanks; bent tubing for automobiles such as exhaust, muffler tail and hot air pipes; wire cable tubes, etc.; stove coils.

W. Little & Company, 235 Preakness avenue, Paterson, N. J. New York office, R. G. Williams & Son, care of S. S. Vogel, 315 Fourth avenue. Necktie and broad silks and linings.

Littleford Brothers, 453 East Pearl street, Cincinnati, Ohio. Steel tanks, asphalt and tar heaters, gravel and sand driers, powder magazines, army field kitchens, powder and dynamite magazines, steel smoke stacks, soap frames and trucks, soap kettles, boiler room coal trucks, portable lead furnaces, mortar and cement mixing boxes. Any code.

G. J. Littlewood & Sons, Ltd., Manayunk, Philadelphia, Pa. Dyers and bleachers of cotton, cotton warps and yarns.

Llewellyn Iron Works, North Main and Redondo streets, Los Angeles, Cal. Storage tanks, water tube boilers, bridges, structural steel for buildings, riveted steel pipe, electric and hyraulic passenger and freight elevators, and mining machinery. Cable address, "Llewellyn," Los Angeles. Code, Western Union.

Lock Moore & Company, Ltd., Westlake, La. Calcasieu long leaf yellow pine lumber. Jobbers of cypress shingles, sash, doors, moldings and general merchandise.

Lockhart Iron and Steel Company, Pittsburgh, Pa. Bar and band iron and steel hexagons and octagons, small channels and angles. Cable address, "Lockiron," Pittsburgh.

Lockwood Manufacturing Company, Day street, South Norwalk, Conn. New York office, 16 Reade street. Builders' hardware.

The Lockwood Manufacturing Company, 650 West Third street, Cincinnati, Ohio. Boston office, 44 North Market street. Bread and cracker pans, bakery equipment.

Locomobile Company of America, Bridgeport, Conn. Gasoline pleasure automobiles and "Riker" 3 and 4 ton automobile trucks.

The Lodge & Shipley Machine Tool Company, 3055 Colerain avenue, Cincinnati, Ohio. Lathes and attachments. Foreign agents: Alfred Herbert, Ltd., Coventry, England, for Great Britain; R. S. Stokvis & Zonen, Ltd., Rotterdam, Holland; R. S. Stokvis & Fils, Paris, France; Iznosskoff & Co., Petrograd, Moscow and Ekaterinburg, Russia. Cable address, "Drill," Cincinnati. Codes, Lieber's, Western Union and private.

D. E. Loewe & Company, Danbury, Conn. New York office, 14 Waverly place. Soft fur felt hats. Cable address, "Hatman," Danbury. Code, Western Union.

Logan Coal Company, 502 Harrison building, Philadelphia, Pa. New York office, 1 Broadway Bituminous coal. Cable address, "Logancoal," Philadelphia.

Logwood Products Corporation, 115 Broadway, New York. Logwood liquid extract 51 deg. Tw., hematine paste, hematine crystals. Cable address, "Logprodcor," New York. Codes, Western Union and Lieber's.

The Long-Bell Lumber Company, R. A. Long building, Tenth and Grand avenues, Kansas City, Mo. Export office, Beaumont, Texas. New York office, room 1716, 42 Broadway. Yellow pine lumber, timbers, creosoting materials, oak lumber and flooring.

Long Manufacturing Company, Detroit, Mich. Automobile radiators.

The Long & Allstatter Company, corner Fourth and High streets, Hamilton, Ohio. Punching and shearing machinery. Cable address, "Landaco," Hamilton, Ohio. Codes, Lieber's and A B C Fifth edition.

The Long & Koch Company, 126 South street, Newark, N. J. Jewelry: 10-kt. gold bracelets, cuff buttons, tie clasps, fobs, scarf pins, brooches, pen knives, cigar cutters, cigar lighters, lockets, sautoir chains, belt buckles (gold and silver), lingerie clasps, beauty pins, bar pins, crosses, barrettes, hat pins. Either plain or mounted with diamonds.

Loray Mills, Gastonia, N. C. Brown sheetings, drills and narrow print cloths. Selling agents, Woodward, Baldwin & Co., New York, and Baltimore, Md.

Lorraine Manufacturing Company, Pawtucket, R. I. New York office, 72 Leonard street. Fine cotton dress goods and shirtings, worsted dress goods, cotton and mercerized linings.

Los Angeles Can Company, 301 North avenue 20, Los Angeles, Cal. Packers' and miscellaneous tin cans.

Loudon Packing Company, 2100 South Third street, Terre Haute, Ind. Tomato catsup, chili sauce, cocktail sauce, bouillon and tomato puree. Cable address, "Lopacco," Terre Haute.

Louisville Cement Company, 325 West Main street, Louisville, Ky. Cement and lime. Cable address, "Speeding," Louisville. Code, Western Union.

Louisville Cotton Mills Company, 1318 McHenry street, Louisville, Ky. Combed and carded mule and frame spun cotton yarn on cones, tubes or in skeins, both single and ply in numbers 2 to 40; cotton warps finished on beams or jack spools, colored and white, plain or pattern, in numbers 4 to 20, single and ply; ten grades of miners' wicking; mop yarns, sewing twine for power sewing machines, carded cotton, colored and white.

Louisville Pillow Company, Preston and Market streets, Louisville, Ky. Bed pillows, mattresses, bed comforts, mattress filling shoddy. Jobbers of cotton blankets. Foreign agent: A. G. Duque, Havana, Cuba. Cable address, "Pillow," Louisville. Code, Western Union.

---

to manufacturers whose names are given in this book.

Love Brothers, Inc., Aurora, Ill. Structural iron and steel, ornamental iron, architectural iron, gray iron castings, special machinery, iron store fronts, sewer castings and railroad castings; also brass and bronze castings.

Lovell Manufacturing Company, Erie, Pa. New York office, 86 Warren street. Clothes wringers, rat and mouse traps. Cable address, "Lovell," Erie.

F. H. Lovell & Company, Arlington, N. J. Railroad and marine lighting fixtures and wiring appliances. Cable address, "Levfolco," New York.

Lowe Paper Company, Ridgefield, N. J. Clay coated boxboard and cardboard.

Lowell Paper Tube Corporation, 42 Warren street, Lowell, Mass. Cones, cop tubes, taper tubes, parallel tubes, mailing tubes, paper cores, ribbon blocks.

W. Lowenthal & Company, Remsen street, Cohoes, N. Y. Shoddy of all kinds and cotton batting.

The Walter M. Lowney Company, 486 Hanover street, Boston, Mass. Cocoa, chocolate, chocolate confectionery. Cable address, "Lowney," Boston. Code, Western Union.

Lucas Machine Tool Company, East Ninety-ninth street and New York Central railroad, Cleveland, Ohio. Lucas "Precision" horizontal boring, drilling and milling machines, Lucas power forcing presses. Cable address, "Lucas," Cleveland. Code, Lieber's.

John Lucas & Company, Inc., 322 Race street, Philadelphia, Pa. Export office, 521 Washington street, New York. Paints, varnishes, stains, enamels, dry colors, etc. Cable address, "Lupaint," Philadelphia.

The Luce Furniture Company, Grand Rapids, Mich. Bedroom and dining room furniture.

Lucey Manufacturing Corporation, 233 Broadway, New York. Oil, gas and water well drilling machinery, pumping machinery, steam pumps, centrifugal pumps and electric lighting systems. Jobbers in rice, coffee, sugar and agricultural machinery, woodworking machinery, machine tools, steel and iron products, tubular goods, boilers and engines. Foreign sales agencies: Lucey Mfg. Corp., 1-5 Broad Street house, London, E. C., England; Lucey Mfg. Corp., Apartado 248, Tampico, Mexico; J. F. Lucey, Casuta Postala, Ploesti, Roumania. Cable address, "Luceoil," New York. Codes, A B C Fifth edition, Lieber's, Bentley and Lucey Special.

Luckett-Wake Tobacco Company, 808 West Green street, Louisville, Ky. Leaf tobacco. Cable address, "Luckett," Louisville. Arnold's Fifth and Fifteenth editions, A B C Fifth edition.

W. H. Luden, 212 North Eighth street, Reading, Pa. Luden's confectionery and "Menthol" cough drops. Foreign agents: L. M. Fishel, Honolulu, Hawaii; Tasmania Drug and Chemical Co., Hobart, Tasmania; Stanley Green, Sydney, Australia; Alfred Sasso, San Jose, Costa Rica; Watson Drug Co., Manila, P. I.; for Cuba, Alfred H. Keller, Brooklyn, N. Y.; for Porto Rico, Pedro Morel, New York.

Ludlow Manufacturing Associates, 111 Devonshire street, Boston, Mass. Jute and linen carpet yarns, jute and hemp twines, jute cordage, jute webbing and jute bagging for covering cotton. Cable address, "Ludlow," Boston. Code, A B C.

The Ludlow Valve Manufacturing Company, Troy, N. Y. New York offices, 62 Gold street and 101 Park avenue. Valves, hydrants and allied products. Foreign agents: F. H. Hayward, 96 Leadenhall street, London, E. C., England; Glaenzer & Perreaud, Paris, France; Isbecque & Co.,

Antwerp, Belgium; Wossidlo & Co., Petrograd and Moscow, Russia; H. P. Gregory & Co., Sydney and Melbourne, Australia. Cable address, "Ludlow," Troy. Codes, Lieber's, A B C Fourth edition. New General and Mining and private.

Ludlum Steel Company, Watervliet, N. Y. Tool steel.

Ludowici-Celadon Company, 104 South Michigan avenue, Chicago, Ill. New York office, 200 Fifth avenue. Terra cotta roofing tiles. Cable address, "Ludowici," Chicago. Code, Western Union.

Ludwig & Company, 748 East 136th street, New York. Pianos and player-pianos.

Luger Furniture Company, 173 Western avenue, Minneapolis, Minn. Furniture.

L. B. Luithlen Company, Inc., J and Estaugh street, near Kensington avenue and Ontario street, Philadelphia, Pa. Bleaching and dyeing of plain and mercerized cotton yarns.

Lumen Bearing Company, 197 Lathrop street, Buffalo, N. Y. Brass and bronze castings, babbitts, solders and babbitt lined bronze bearings.

The Lunkenheimer Company, Cincinnati, Ohio. New York office 64 Fulton street. Bronze, gray iron, puddled semi-steel and cast steel engineering appliances such as valves, lubricators, oil and grease cups, whistles, etc. Foreign agents: The Lunken Company, 35 Great Dover street, S. E., London, England; A. Asher Smith, 56 Market street, Sydney, Australia. Cable addresses: "Lunken," Cincinnati, New York or London. Codes, A B C Fourth and Fifth editions, Manufacturers' Export (Seeger's), Lieber's and private.

David Lupton's Sons Company, Allegheny avenue and Tulip street, Philadelphia, Pa. Export office, 50 Church street, New York. "Lupton" brand of steel sash, steel tube doors and steel partitions; "Pond" brand of continuous sash and operating devices; rolled steel skylights; steel shelving; tire racks; Waldmire louvers for constant ventilation.

Luther Manufacturing Company, 240 Hartwell street, Fall River, Mass. Fine cotton cloth.

Lux Manufacturing Company, Factory Terminal building, Hoboken, N. J. Export office, 1328 Broadway, New York. Incandescent lamps, tungsten and nitrogen. Cable address, "Lux," New York. Codes, Western Union, Lieber's, A B C Fourth edition.

The Luzerne Rubber Company, Trenton, N. J. Hard rubber and ebonite standard and special articles.

Lymansville Company, Providence, R. I. Mills at Lymansville, R. I. New York office, 45 East Seventeenth street. Worsted yarns, men's and women's worsted suitings and coatings.

Lynn Ornament Company, 219 Market street, Lynn, Mass. Shoe ornaments, spats or gaiters and neckties. Jobbers of low priced jewelry and watches. Foreign agents: George & Blackford, 125 Frere road, Fort, India; A. Trinidade Faria, Rua Acre 82-2, Rio de Janeiro, Brazil. Cable address, "Ornament," Lynn. Codes, Western Union, A B C Fifth edition and special.

Lyon & Healy, 245 Wabash avenue, Chicago, Ill. Musical instruments.

McCallum Hosiery Company, Northampton, Mass. New York office, 417 Fifth avenue. Ladies', men's, children's silk hosiery.

The McCaskey Register Company, Alliance, Ohio. Account registers and salesbooks. Foreign branch, The McCaskey Register Co., Trafford Park, Manchester, England. Cable address, "Casregco," Alliance.

E. W. McClave & Son, Inc., 1 Dey street, Harrison, N. J. Export office, 18 Broadway, New York. Long leaf and short leaf yellow pine, poplar and ash lumber and logs.

Samuel McCollom, 618 East Twenty-sixth street, Paterson, N. J. Broad silks.

The McConway & Torley Company, Forty-eighth street and Allegheny Valley railroad, Pittsburgh, Pa. Automatic M. C. B. couplers for freight cars, passenger cars and locomotives; malleable iron and steel castings for railroad work. Foreign agents: W. Bayliss & Co., Ltd., 240 Dashwood House, New Broad street, E. C., London, England; Percy Grant & Co., Ltd., 25 de Mayo 158, Buenos Aires, Argentina, and Rua do Rosario, N 156, Rio de Janeiro, Brazil; American Trading Co., Yokohama and Tokio, Japan; Fearon, Daniel & Co., Tientsin, China; Anderson, Meyer & Co., Shanghai, China. Cable address, "Torley," Pittsburgh. Codes, A B C, A 1, Lieber's, Directory and General.

McCray Refrigerator Company, Kendallville, Ind. New York office, 7 West Thirtieth street. Refrigerators for all purposes. Cable address, "McCray." Kendallville. Codes, Western Union, A B C Fifth edition and Lieber's.

McCreary, Wallin & Crouse, Amsterdam, N. Y. Selling agents, W. & J. Sloane, Fifth avenue and Forty-seventh street, New York. Rugs and carpets: chenille, Kalliston, Axminster, tapestry and velvet.

McCullough-Dalzell Crucible Company, Thirty-sixth street and Allegheny Valley railroad, Pittsburgh, Pa. Crucibles for steel melting, for brass melting; plumbago, graphite and clay lined crucibles; nozzles, covers, caps, phosphorizers, skimmers, stirrers, stoppers, sleeves, dipping cups, mufflers, domes, cylinders, stopper heads. Cable address, "Plumbago," Pittsburgh. Code, Western Union.

McDonough Manufacturing Company, 1500 Galloway street, Eau Claire, Wis. New York agents for machine tools, Young, Corley & Dolan, 115 Broadway. Saw mill machinery, woodworking machinery, band resaws, transmission machinery, band mills, carriages for saw mills, edgers, lath machinery, band rip saws; machine tools: cylindrical grinders, tool room grinders, plain milling machines. Jobbers of round link chains, malleable transfer chains, malleable conveyor chains, filing room machinery and saws. Cable address, "Macsaw," Eau Claire. Codes, Western Union and Lieber's.

McDougall Paint Company, Inc., 1317 Elk street, Buffalo, N. Y. Ready mixed paints, enamels, paste paints and colors and varnishes. Foreign agent: Emelio Perez, Concordia, 179 D, Havana, Cuba.

McGoldrick Lumber Company, Spokane, Wash. Idaho white pine and Western white pine lumber.

The John H. McGowan Company, 54 Central avenue, Cincinnati, Ohio. New York office, suite 612, 90 West street. Single and duplex direct acting pumping machinery; single and duplex power pumps, belt and direct connected types; direct acting water works pumping engines; plug tobacco machinery. Cable address, "Mcgown," Cincinnati. Codes, Western Union and private.

McGraw-Hill Publishing Company, 239 West Thirty-ninth street, New York. Publishers of *Electrical World, American Machinist, Electrical Merchandising, Power, Electric Railway Journal, Coal Age, Metallurgical and Chemical Engineering, Engineering and Mining Journal, Engineering-News Record, The Contractor, Electrical Directories, Waterworks Directory.* Foreign agent: A. C. Shaw, 10 Norfolk street, Strand, London.

The McGraw Tire and Rubber Company, East Palestine, Ohio. Export office, Bush Terminal warehouse, building 10, Brooklyn, N. Y. Pneumatic tires, motor truck tires, inner tubes. Cable address, "McGraw," East Palestine, O. Codes, Lieber's and Western Union.

James McKay Company, 805 Second National Bank building, Pittsburgh, Pa. New York office, 30 Church street. Chain of all descriptions, breakless staybolts, drop forgings.

McKee Refrigerator Company, 119 Lorimer street, Brooklyn, N. Y. New York office, 25 West Broadway. Refrigerators. Cable address, "Gwinnett," New York. Code, A B C.

James McKinney & Son, 925 Broadway, Albany, N. Y. Structural steel and ornamental iron for buildings, gray iron castings.

McKinnon Dash Company, Buffalo, N. Y. Carriage dashes, folding chairs, electric welded steel chain, tire holders and hose reels; articles manufactured in Canadian factory only, saddlery hardware, hames, malleable castings and drop forgings.

The McLain Fire Brick Company, Fulton building, Pittsburgh, Pa. Fire brick, fire clay, etc.

Hugh McLean Lumber Company, 940 Elk street, Buffalo, N. Y. Lath shingles and thin cut lumber; hardwood, mahogany, maple and white oak lumber. Foreign agents: Duncan, Ewing & Co., Liverpool, England. Cable address, "Thurso," Buffalo. Codes, A B C Fifth edition and Universal.

McMillan Book Company, 509 East Water street, Syracuse, N. Y. Loose-leaf record and sales books, ring books, loose-leaf ledgers, transfers and devices. Foreign agents: American Agencies, Ltd., 76 Turnmill street, London, England, for England; Gaston, Williams & Wigmore, 140 Broadway, New York, for France. Cable address, "Macmillbook," Syracuse. Code, Western Union.

The McMyler Interstate Company, 119 Columbus street, Cleveland, Ohio. New York office, 50 Church street. Locomotive cranes, gantry cranes, car dumpers, coal and ash handling equipment, ore handling equipment, elevating and conveying machinery, pile drivers, jib cranes, pillar cranes, transfer tables, turntables, structural steel for bridges and buildings.

Walter P. McTeigue, 64 West Forty-fifth street, New York. Fine platinum diamond jewelry. Cable address, "Macteigue," New York. Code, Western Union.

Maas & Waldstein Company, 92 William street, New York. Nitro cellulose, nitro cellulose solutions, lacquers, Turkey red oil. Cable address, "Dramubia," New York. Code, A B C.

Macbeth-Evans Glass Company, Chamber of Commerce building, Pittsburgh, Pa. Export office, 143 Madison avenue, New York. Lamp chimneys, lantern globes, silvered glass reflectors, incandescent gas glassware, inner and outer globes for electric arc lamps, gas and electric ware, lubricator cylinders, marine lenses, etc. Foreign agents: In Argentina, B. L. Biagi & Co., F. Estol, Buenos Aires; Alfredo Guerrero, Rosario; in Brazil, Thomas Dixon Bunn, Pernambuco; Antonio Maltez Filho, Bahia; Joao Strelitz, Sao Paulo; Thomas Warwick, Rio de Janeiro; R. W. Winning and Scott & Hollady, Sydney, Australia; Alberto Grange, Montevideo, Uruguay; Rea Hanna, Valparaiso, Chile; Johnson & Jorgensen, Ltd., 83 Farringdon street, London, E. C., England; Samuel W. Walker, Guatemala, C. A.; R. E. Barrow, Bridgetown, Barbadoes; Rodriguez & Ripoll, Havana, Cuba; George A. Moore & Co., San Francisco, Cal.; W. C. Bright, Dunedin, New Zealand; Hubbard & Co., San Jose, Costa Rica,

Louis A. Hamilton, Kingston, Jamaica; Ernesto F. Rodriguez, San Juan, Porto Rico; Hugo Lazar & Co., Johannesburg, South Africa; Symington, Cox & Co., Bombay, India; Child & Caldwell, Honlulu, Hawaii; Ch. Villotte, 72 Rue d' Hauteville, Paris, France. Cable address, "Bethevan," New York. Codes, A B C Fifth edition, Lieber's and Western Union.

The Macdonald & Kiley Company, 2062 Reading road, Cincinnati, Ohio. Men's shoes.

The Macey Company, Grand Rapids, Mich. New York office, 412 Broadway. Filing appliances (wood and metal), sectional bookcases, card indexes, filing appliance supplies, safes. Cable address, "Macey," Grand Rapids.

Mack & Company, 100 Brown's Race street, Rochester, N. Y. Edge tools: chisels, slicks, gouges, draw shaves, hand axes, ship axes and adzes, broad axes, coopers' tools, planes, plane aprons.

Joseph Mack Printing House, Inc., 63 Elizabeth street, East, Detroit, Mich. New York office, 37 Wall street. Commercial art work, photomechanical process engraving and general commercial letter press printing in one or more colors, foreign language printing given particular attention.

Duncan Mackenzie's Sons Company, Hamilton avenue, Trenton, N. J. Wire mill, rubber and pottery machinery, all kinds of structural iron and steel work, meat cutter and sausage machine; general founders and machinists.

Maddock Pottery Company, Third and Landing streets, Trenton, N. J. New York agent, Thos. F. Tunstall, Hotel Wallick. Vitrified hotel china.

Thomas Maddock's Sons Company, 106 Ewing street, Trenton, N. J. Export office, 109 Broad street, New York. New York office, room 515, Forty-second Street building. Vitreous china water closets, tanks, lavatories, drinking fountains, sinks, urinals, manicuring tables, bidets, bathroom accessories and china trimmings for brass work. Jobbers of porcelain bath tubs, laundry trays, sinks and receptors. Cable address, "Tomasmadok," Trenton. Code, Western Union.

Madero Brothers, Inc., 115 Broadway, New York. New York chemical office and warehouse, 100 John street. Pharmaceutical preparations and drugs. Jobbers of all chemicals, colors and dyestuffs, extracts, waxes, oils and crude drugs. Cable address, "Maderobro," New York. Codes, A B C Fifth edition, Western Union, Lieber's, Samper's and private.

Magnus, Mabee & Reynard, Inc., 259 Pearl street, New York. Extract of witch hazel, chemicals, fruit flavors, essential oils, vanilla extract and drugs. Cable address, "Maglaur," New York. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Maher & Flockhart, 60 Polk street, Newark, N. J. Gray iron castings of every description.

Edward Maher's Sons, 212 Berlin street, Newark, N. J. Iron foundry.

Maine Manufacturing Company, 1 Sanders street, Nashua, N. H. Refrigerators and ice chests.

Malleable Iron Fittings Company, Branford, Conn. Malleable iron pipe fittings, bushings, unions, etc.; steel pipe fittings, screwed and flanged; malleable iron castings, low carbon steel castings, nickel steel castings, vanadium iron (refined) castings, vanadium steel castings, chrome steel castings; extrusion dies; contract machining, galvanizing, tinning, japanning; boat hardware. Cable address, "Mifco," Branford, Conn. Code, Western Union.

Malleable Iron Range Company, Spring street, Beaver Dam, Wis. "Monarch" ranges (malleable).

Mallinckrodt Chemical Works, 3600 North Second street, St. Louis, Mo. Export office, 90 William street, New York. New York office, 30 Platt street. Morphine, codeine, cocaine, bromides, iodides, bismuth preparations and a general line of chemicals for medicinal, photographic and analytical uses, embracing over 500 articles. Cable addresses, "Mallinckrodt," St. Louis; "Desabrido," New York.

H. R. Mallinson & Company, 136 Madison avenue, New York. Broad silks and silk shirting. Foreign agents: Bellocchio & Co., Pozos 229, Buenos Aires, Argentina; E. Jarasse & Co., Huerfanos 1039, Santiago, Chile; Mönch & Yanes, Caracas, Venezuela; O. Wyld Ospina & Co., Guatemala City, Guatemala. Cable address, "Mallinson," New York.

E. A. Mallory & Sons, Inc., Rose and Rose Hill streets, Danbury, Conn. New York office, 234 Fifth avenue . Men's fur felt hats. Cable address, "Hatman," Danbury. Code, Western Union.

C. A, Malm & Company, 586 Market street, San Francisco, Cal. Trunks, traveling bags, suit cases, automobile tire cases, automobile trunks. Code, A B C.

Malt-Diastase Company, 79 Wall street, New York. OP., Standard, 120° and 60° malt (malt extracts for bakers); Diax and Textase malt extracts for textile trade and bleacheries; "Madico" malt extract for laundries.

Manhasset Manufacturing Company, 1406 Turk's Head building, Providence, R. I. Automobile tire fabrics. Cable address, "Manhasset," Providence. Code, Western Union.

Manhattan Brass Company, 332 East Twenty-eighth street, New York. Kerosene oil lamps and burners; gas and electric portables; brass goods; fire goods, casseroles, pie dishes, baking dishes, stationers' goods, smokers' stands, ash trays, etc.; brass and bronze material in sheets, rods, wires, tubes, molding, etc. Cable address, "Brass," New York. Code, A B C Fourth edition.

Manhattan Electrical Supply Company, Inc., 17 Park place, New York. Telegraph instruments, wireless telegraph apparatus, telephones, dry and wet batteries, electric bells, metal push buttons, electric heating and cooking appliances, push button and snap switches, rosettes and other wiring appliances, spark coils and ignition specialties, fan and other motors, massage vibrators, medical coils. Cable address, "Mesco," New York. Codes, Western Union and A B C Fifth edition.

Manhattan Silk Company, 95 Madison avenue, New York. Silk piece goods.

Manitowoc Boiler Works Company, Manitowoc, Wis. Rotary and stationary digesters of different kinds, rotary dryers used for drying fertilizer, tankage, salt, beet pulp, coal, etc.; marine boilers and engines, heavy tanks, chemical apparatus, retorts, cylinders and heavy pressure tanks. Cable address, "Manco," Manitowoc.

Manitowoc Engineering Works, Manitowoc, Wis. See Manitowoc Boiler Works Company, Manitowoc, Wis.

The Manitowoc Malting Company, Nineteenth street, Manitowoc, Wis. Malt.

Manitowoc Ship Building Company, Manitowoc, Wis. Steel ships, tugs, sand suckers, lighters, fire boats, dump scows, passenger boats, marine boilers, marine engines, paper mill digesters, rotary cooking boilers, heavy tank work. Cable address, "Manco," Manitowoc.

William Mann Company, 529 Market street, Philadelphia, Pa. New York office, 105 Chambers street. Blank books, bound and loose-leaf; printing; lithographing; die stamping; tissue copying paper, bound and loose. Jobbers of commercial stationery, card index cabinets and supplies. Cable address, "Manco," Philadelphia. Code, private.

---

to manufacturers whose names are given in this book.

Manning, Bowman & Company, Meriden, Conn. Export office, 200 Fifth avenue, New York. Nickel plated, silver plated and copper household appliances, such as chafing dishes, coffee percolators, casserole dishes, sandwich trays, serving dishes, electrically equipped household appliances.

Manning, Maxwell & Moore, Inc., 119 West Fortieth street, New York. Gauges; injectors; inspirators; ejectors; safety, globe and angle valves; steam engine indicators, revolution counters; axle lathes; car wheel borers; planers; engine lathes; electric traveling cranes; hoists and monorail systems. Jobbers of a complete line of railway and machine shop machinery and supplies. Cable address, "Cognition," New York. Codes, A1, A B C, Lieber's, Western Union and private.

The Mansfield Sheet and Tin Plate Company, Mansfield, Ohio. Various finishes of high grade black sheets; auto body, hood and fender stock; deep drawing and extra deep drawing stamping and spinning steel.

Manufacturers' Iron and Steel Corporation, New Brunswick, N. J. Toe calks.

Manufacturers' Record Publishing Company, Baltimore, Md. New York office, 52 Broadway. Publishers of the *Manufacturers' Record* and *Daily Bulletin.*

Manufacturing Company of America, 439 North Twelfth street, Philadelphia, Pa. Candy, "U-All-No" after dinner mints. Foreign agents: James Methven, Son & Co., 2 Talbot Court, Eastcheap, London, E. C., England; E. Huck, 23 Rue du Caire, Paris, France; August Monchen, Juffrouw-Idastraat 16, The Hague, Holland. Cable address, "Uallno," Philadelphia.

Manville Company, Chamber of Commerce building, Providence, R. I. New York office, 57 Leonard street. Plain and fancy cotton goods.

Manz Engraving Company, 4001 Ravenswood avenue, Chicago, Ill. New York office, 116 West Thirty-second street. Photographs, black and white and color engraving in all its branches, electrotypes, designing, illustrating, etc., black and white and color printing, calendars and mounted pictures and die cutting, art prints.

Mapele Silk Manufacturing Company, Paterson, N. J. New York office, 95 Madison avenue. Silk ribbon.

The Marathon Tire and Rubber Company, Front street, Cuyahoga Falls, Ohio. Export office, 549 West Fifty-second street, New York. Pneumatic tires and tubes, accessories for tires, tire repair materials, fibre soles and soling for shoes and rubber heels. Jobbers of automobile accessories. Cable addresses, "Marathon," Cuyahoga Falls, New York or San Francisco. Codes, A B C and Western Union Fifth edition.

Marden, Orth & Hastings Company, Inc., 61 Broadway, New York. Chemicals, coal-tar intermediates, aniline dyestuffs, dyewood and tanning extracts, oils and greases. Foreign agents in France, England, Spain, India, Australia and South America. Cable address, "Artsoule," New York. Codes, Lieber's, A B C and Western Union.

W. H. & A. E. Margerison & Company, Jasper and Huntingdon streets, Philadelphia, Pa. New York office, 77 Franklin street. Turkish towels, wash cloths, bath mats and terry cloth.

The Marietta Paint and Color Company, Greene and Acme streets, Marietta, Ohio. Export agents, Harrisons, Ramsey Co., 82 Wall street, New York. Paints, stains, fillers, surfacers, etc.

The Marion Steam Shovel Company, Marion, Ohio. New York office, 50 Church street. Steam shovels, electric shovels, gasoline shovels, stripping shovels, scraper bucket excavators, dipper dradges, hydraulic dredges,

placer mining dredges, log loaders, railroad ditchers, ballast unloaders. Foreign agents: Russian Land & Reclamation Co., Was. Ostr 1, Line 22, Petrograd, Russia; Graham Brothers, Stockholm, Sweden; Clutterbuck, Bros., 61 Hindley street, Adelaide, Australia; F. H. Hopkins & Co., Montreal, Quebec; Ditilk-Smith, McMillan & Co., Calle Venezuela 617, Buenos Aires, Argentina. Cable address, "Barnhart," Marion. Codes, Lieber's, Western Union, Postal, A B C Fourth and Fifth editions, Bedford McNeill, McNeill's 1908 edition and New Business.

A. A. Marks, 702 Broadway, New York. Artificial feet, legs, hands and arms; cork legs; rubber feet, hands and fingers; crutches, crutch ferrules; surgical appliances, rubber tips for crutches, buckles for surgical appliances, knife and fork combined for one-armed persons. Jobbers in heavy elastic and non-elastic webbing, invalid and wheel chairs. Cable address, "Artificial," New York. Codes, A B C Fourth and Fifth editions.

Marshall Brothers, Twenty-first and Mary streets, Pittsburgh, Pa. Passenger and freight elevators; electric, hydraulic, belt and hand power elevators.

Marshall-Wells Hardware Company, Duluth, Minn. Branches at Spokane, Wash.; Portland, Ore.; Edmonton, Alberta, and Winnipeg, Canada. Harness, saddles, tents, awnings, show cases, stoves. Jobbers of general hardware and sporting goods. Cable address, "Marswells," Duluth. Code, Western Union.

M. Martin & Company, 102 Madison avenue, New York. Ladies' and misses' undergarments of silk and muslin, including gowns, combinations, envelope chemise, skirts, drawers, corset covers and camisoles.

The Marting Iron and Steel Company, Front and Vine streets, Ironton, Ohio. Malleable foundry and basic pig iron.

Maryland Biscuit Company, 508 South Charles street, Baltimore, Md. Biscuits and crackers.

Maryland Coal Company of West Virginia, 1 Broadway, New York. Bituminous coal.

Maryland Glass Corporation, Bromo-Seltzer Tower building, Baltimore, Md. New York office, 277 Broadway. Blue glass bottles.

C. H. Masland & Sons, Inc., 3240 Amber street, Philadelphia, Pa. New York agents, W. & J. Sloane, Forty-fifth street and Fifth avenue. Velvet and tapestry rugs and carpets.

Mason City Brick and Tile Company, Mason City, Iowa. Drain tile and hollow building tile.

Mason & Hamlin Company, 492 Boylston street, Boston, Mass. Grand and upright pianofortes. Cable address, "Mason," Boston. Codes: A B C Fifth edition, Western Union, Lieber's.

The Robert D. Mason Company, Esten avenue and Mosshassuck street, Pawtucket, R. I. Dye, bleach and mercerize cotton yarns in skeins and warps.

Massachusetts Breweries Company, 38 Hawley street, Boston, Mass. Export office, 17 Battery place, New York. Malt liquors.

Massachusetts Cotton Mills, 53 State street, Boston, Mass. Export agents, Smith, Hogg & Co., 115 Worth street, New York. Grey and colored domestics, including denims, ducks, drills, cotton flannels, ginghams and yarn-dyed cotton goods.

Mather & Waechter, East 105th street and Nickel Plate railroad, Cleveland, Ohio. Tools, gauges, automobile parts, drill press and milling machine vises and gas heated soda kettles.

Mathushek Piano Manufacturing Company, 132d street and Alexander avenue, New York. Grand and upright pianos and player-pianos.

The Mattatuck Manufacturing Company, Waterbury, Conn. New York office, 45 John street. Upholsterers' nails, screw machine products, turned from solid rod up to 1⅛" in diameter either in brass or steel, springs, novelties in brass, handcuffs and leg irons.

C. J. Matthews & Company, 417 Arch street, Philadelphia, Pa. Glazed kid in black and colors, patent kid. Cable address, "Matco," Philadelphia. Codes: A B C Fourth and Fifth editions, Lieber's and Widebrooks.

C. Mattison Machine Works, Beloit, Wis. New York office, Forty-sixth street and Lexington avenue. Wood working machinery. Cable address, "Mattison," Beloit. Code, Western Union.

Mattson Rubber Company, Lodi, N. J. Export office, 47 Broadway, New York. Automobile tires, tubes, reliners, blowout patches, pedal rubbers and a complete line of rubber automobile accessories, sponge and stamp rubber, moulded rubber goods of every description, dental rubber, dental dams and dental gutta perchas. Cable address, "Portumex," New York. Codes: A B C, Lieber's and Western Union.

John T. Mauran Manufacturing Company, 61 Peck street, Providence, R. I. Solid gold jewelry and watch bracelets in solid gold and gold filled.

Maxwell Motor Company, Inc., Woodward and Warren avenues, Detroit, Mich. Export office, 17 State street, New York. New York office, 1808 Broadway. Automobiles. Cable addresses: "Maxco," Detroit; "Umco," New York.

Frank L. May & Company, Inc., 99 John street, New York. Tungsten, molybdenum, ferro-chrome; aniline colors: nigrosine, water and spirit soluble saframine, eosine, chrome black. Cable address, "Nicotine," New York. All codes.

The Frank T. May Company, 4 West Forty-fifth street, New York. Gold and platinum mesh bags, vanity cases, cigarette cases and novelties.

The David Maydole Hammer Company, Norwich, N. Y. Hand hammers for blacksmiths, boilermakers, bricklayers, engineers, farriers, machinists, masons, patternmakers, stonecutters, tilesetters, tinners, drill sharpening, prospecting, nail, riveting, saw swaging. Foreign agents: Los Fabricantes Unidos, Calle Belgrano 964, Buenos Aires, Argentina, for South America; Edwin Wood Proprietary, Ltd., 231 Elizabeth street, Melbourne, Australia, for Australasia. Cable address, "Maydole," Norwichny. Code, Western Union.

M. N. Mayehoff & Company, Merwin street, Norwalk, Conn. New York office, 42 White street. Women's sport goods, shirts, skirts, sweaters and shirt-waist suits.

F. Mayer Boot and Shoe Company, Milwaukee, Wis. General line of medium and high grade footwear. Cable address, "Mayerboot," Milwaukee. Code, Western Union.

Mayhew Company, 867 Thirty-first street, Milwaukee, Wis. Fine upholstered furniture, period furniture, living room furniture, chairs and rockers. Cable address, "Mayhew," Milwaukee. Code, Western Union.

Mayo Radiator Company, 996 Dixwell avenue, New Haven, Conn. Automobile radiators.

Mead, Johnson & Company, Evansville, Ind. Malt sugar, malt sugar syrups.

Mead-Morrison Manufacturing Company, East Boston, Mass. New York office, 149 Broadway. Steam, electric and gasoline hoists; clam shell and orange peel grab buckets; coal, ore and ash handling machinery; contractors for complete coal handling plants, power houses, etc. Cable address, "Medmorison," Boston.

Mechanical Fabric Company, 40 Sprague street, Providence, R. I. Rubber thread and card cloth. Foreign agents, Warburton, Allen & Co., Leicester, England. Cable address, "Fabric," Providence. Codes: A B C Fifth edition and A1 Telegraphia.

Medart Patent Pulley Company, 3500 DeKalb avenue, St. Louis, Mo. Complete line of power transmission equipment.

Meeker Foundry Company, 95 Clay street, Newark, N. J. Small malleable iron castings. Cable address, "Mefco," Newark. Code, Western Union.

The Meeker's Union Foundry Corporation, 34 Smith street, Norwalk, Conn. Gray iron castings.

Meese & Gottfried Company, 660 Mission street, San Francisco, Cal. Branch houses at Seattle, Wash.; Portland, Ore.; Los Angeles, Cal. Conveying, elevating, screening and mechanical power transmitting machinery, consisting of belt, cable, pan, slat, drag, etc., conveyors; bucket, barrel, sack, package, etc., elevators; revolving rock and gravel, sand, coal, etc., screens in all styles; steel rim pulleys, cast iron pulleys, bearings, hangers, friction clutches, jaw clutches, universal joints, couplings, gears, sprockets, rope sheaves, etc. Jobbers of chain belt (Chicago Chain Belt Company's product), Cumberland ground shafting, Gilbert wood pulleys, Reeves variable speed transmission, etc. Cable address, "Meeseco," San Francisco, Seattle, Portland, Los Angeles. Code, Western Union.

Megquier & Jones Company, 31 Pearl street, Portland, Me. Structural steel. Cable address, "Megone," Portland, Me. Code, Western Union.

Paul G. Mehlin & Sons, 4 East Forty-third street, New York. Pianos and player-pianos of all kinds in grands and uprights. Foreign agents, W. H. Paling & Co., Sydney, Australia.

Lewis Meier & Company, Indianapolis, Ind. Overalls, flannel and cotton work shirts, cotton work pants.

Morton H. Meinhard & Company, 215 Fourth avenue, New York. Worsteds for men's wear made by the Cleveland Worsted Mills Company.

Meisel Press Manufacturing Company, 960 Dorchester avenue, Boston, Mass. Automatic bed and platen presses, rotary presses, straight or adjustable; roll and sheet products for printing waxed, gummed and coated papers, parchment and glassene papers, wrapping paper, counter salesbooks, magazines, mileage, strip and transfer tickets, labels, autographic register rolls, bills of lading; duplicate, triplicate or quadruplicate devices; slitting and rewinding machinery; paper mill slitters and rewinders; adjustable sheet cutter for waxed and tissue paper, special machinery. Foreign agents, Riera, Toro & Von Twistern, Havana, Cuba. Cable address, "Lesem," Boston. Code, Western Union.

Mellin's Food Company of North America, 261 Franklin street, Boston, Mass. "Mellin's" food.

John Mellor & Sons, 126 Forty-sixth street, Pittsburgh, Pa. Printers of labels.

Menasha Printing Company, River street, Menasha, Wis. Paper in the following grades: M. F. book, flat writing, catalogue and light weight bleached sulphite; waxed paper and adding machine rolls; printers of all kinds of wrappers.

Menasha Wooden Ware Company, Menasha, Wis. New York office, 143 Liberty street. Turned wooden ware consisting of steel bound candy pails, jelly pails and kits, lard tubs and pails, pickle kits, tight cooperage consisting of kegs from 5 gallons up to 57 gallon barrels. Cable address, "Menwodware," Menasha. Code, Western Union.

Merchant & Evans Company, 2035 Washington avenue, Philadelphia, Pa. New York office, 242 Water street. Automobile clutches and universal joints, grease cups, solder, babbitt metal, type and newspaper metals, tin (bright) and terne (roofing) plates, roof ventilators, metal Spanish tiles, metal shingles, automatic (underwriters' approved) fire doors, fire shutters. Jobbers of metals of all kinds. Cable address, "Chantmer," Philadelphia. Codes: Lieber's, A B C Fourth and Fifth editions.

Merck & Company, 45 Park place, New York. Chemicals: medicinal, analytical, photographic and technical; medicinal and pharmaceutical preparations and specialties. Foreign branch, 28 St. Sulpice street, Montreal, Canada. Cable address, "Chalice," New York. Codes: A B C Fifth Improved edition and Lieber's.

The J. E. Mergott Company, 316 Jelliff avenue, Newark, N. J. New York offices: 200 Fifth avenue and 21 Park Row. Bag, purse and pocket book frames; metal novelties, advertising specialties in metal.

Meriden Cutlery Company, South Meriden, Conn. New York office, 71 Murray street. Full line of table cutlery.

The Merrell Manufacturing Company, 243 Curtis street, Toledo, Ohio. Pipe threading and cutting machinery. Cable address, "Merrell," Toledo. Codes: Lieber's, A B C and Western Union.

Merrell-Soule Company, North Franklin street, Syracuse, N. Y. Food products.

Merrill Silk Company, Hornell, N. Y. New York office, 229 Fourth avenue. Mills at Corning and Wellsville, N. Y. Silk gloves, hosiery and underwear. Cable address, "Merrill," Hornell, N. Y. Code, Western Union.

Merrill & Ring Lumber Company, 920 White building. Seattle, Wash. Logging.

Merrimac Hat Company, Amesbury, Mass. New York selling agents, for men's hats, John Weber & Company, 3 Waverly place; for ladies' hats, Searle, Dailey & Co., 586 Broadway. Men's, ladies', boys' and children's fine wool hats; men's medium grade fur hats.

Merrimack Manufacturing Company, 53 State street, Boston, Mass. Corduroy, velveteen, khaki, moleskins, print cloths.

The Merrow Machine Company, 28 Laurel street, Hartford, Conn. New York office, 467 Broadway. Overedge, overseam and shell stitch machines used by manufacturers solely for finishing, seaming and edge finishing all kinds of knit and woven fabrics. Cable address, "Merrow," Hartford. Code, Western Union Universal edition.

Mersereau Metal Bed Company, 278 Johnston avenue, Jersey City, N. J. New York offices: 86 Forsythe street and 2365 Third avenue. Brass and steel beds, cribs and costumers.

William B. Mershon & Company, Saginaw, Mich. Band resaws, band logmills, band rip saws. Jobbers of filing room machinery. Cable address, "Mershon," Saginaw. Codes, A B C Fifth edition, Lieber's and Western Union.

Charles S. Merton & Company, Rutherford, N. J. Export office, 810 Broadway, New York. Hats and caps for men and women: tropical helmets, aviation hoods, all types of headwear for sport use, yachting caps, college caps, cloth hats, tennis hats, golfing hats, automobile hats and caps. Cable address, "Mertocap," New York or Rutherford. Code, A B C Fifth edition.

Franz Merz, 257 Fourth avenue, New York. Ladies' dress goods and cloakings. Jobbers of cotton dress goods. Cable address, "Catchword," New York

Mesker Brothers Iron Company, 421 South Sixth street, St. Louis, Mo. Fireproof metal and wire glass windows, steel stairs, solid section steel sash, fireproof doors and shutters, steel fire-escapes, steel cells and jail work. Cable address, "Mesker," St. Louis. Codes, Commercial and Western Union.

Mesta Machine Company, Pittsburgh, Pa. Heavy machinery of all kinds, including rolling mill machinery, hot metal mixers, pickling machinery for sheet and tin plate work, etc., power transmission machinery, hydraulic presses, air and vacuum pumps, steam-hydraulic riveters, hydraulic presses, air and gas compressors, hydraulic accumulators, bar twisting machines, roll turning lathes, gas and steam engines for various purposes, power transmission and special machinery; cars for foundries, annealing and charging boxes, steel forgings, rolling mill pinions, chilled steel and other rolls, power shears, ingot extractors, barometric condensers, high speed saws, gearing, iron and steel housings for rolling mills, valves for blowing engines, etc.; belt, fly, gear and rope wheels; castings of brass, bronze, iron and various kinds of steel.

Metal Package Company, 346 Carroll street, Brooklyn, N. Y. Decorated tin boxes for toilet preparations, pills, tablets and salve; paper covered tin candy boxes.

Metals Production Equipment Company, Springfield, Mass. New York office, 105 West Fortieth street. Rolled brass in all forms, industrial furnaces for heat treating metals, apparatus for burning powdered coal, gray iron castings. Foreign agents: W. W. Butler Co., Transportation building, Montreal, Canada. Cable address, "Metpro," Springfield, Mass. Codes: Lieber's, A B C and Western Union.

The Methodist Book Concern, 420 Plum street, Cincinnati, Ohio. New York office, 150 Fifth avenue. Books and periodicals. Jobbers of magazines.

Herman A. Metz & Co., 122 Hudson street, New York. Colors and chemical preparations; specialties for dyers and calico printers. Cable address, "Hametz," New York. Code, A B C Fifth edition.

Meurer Brothers Company, 575 Flushing avenue, Brooklyn, N. Y. Metal shingles and tiles, ventilators, galvanized pipe and elbows, steel barrels for oil and gasoline. Jobbers of galvanized and block sheets, sheet copper, zinc, spelter, tinplates. Cable address, "Nashbro," Brooklyn. Code, Simplex Standard.

John H. Meyer & Company, Inc., 50 Union square, New York. Bleached and khaki dyed ducks and drills, tire duck, broad silk piece goods. Cable address, "Khakimey," New York. Codes: A B C, Western Union and private.

William Meyer & Co., 880 Broadway, New York. Laces and embroideries.

The Meyercord Company, Inc., 11th floor, Chamber of Commerce building, Chicago, Ill. New York office, 1327 St. James building. Transfer window signs, outdoor signs, decalcomania transfer name plates, decalcomania transfer trade-marks, display racks for paint specialties and other classes of work, display racks for paddles, etc., transfer ornaments, transfer window signs made by the decalcomania transfer process, furniture decorations made in hand painted effects.

The Williard F. Meyers Machine Company, Inc., 614 Hamilton street, Long Island City, N. Y. Branches: Bedford, Ind; Montreal, Canada. Stone and marble sawing machines (circular, diamond, horizontal and drag), blades for these machines, all kinds of diamond saw teeth, diamond tools for truing and dressing emery and corundum wheels, diamond drill

bits, machinery for cutting, moulding and finishing marble and stone using carborundum wheels, column finishing machines, multiple flute cutting machines, stone planers, electric hammers for cutting stone and marble, riveting and surfacing granite, special machinery. Jobbers of diamond saw teeth and blades.

The Miami Cycle and Manufacturing Company, Grand avenue, Middletown, Ohio. "Racycle", "Hudson", "Miami", "Flying Merkel" bicycles and Musselman coaster brakes. Cable address, "Miami," Middletown, Ohio.

Michaels, Stern & Company, 87 Clinton avenue, North Rochester, N. Y. New York office, 220 Fifth avenue. Men's and young men's clothing. Cable address, "Michaelstern," Rochester. Code, Adams.

Michigan Alkali Company, 1622 Ford building, Detroit, Mich. General sales agents, Edward Hill's Son & Co., 64 Wall street, New York. Soda ash, caustic soda, bicarbonate of soda. Cable address, "Michalkali," Detroit. Codes: Western Union and Lieber's.

Michigan Chair Company, 801 Godfrey avenue, Grand Rapids, Mich. Chairs.

Michigan Steel Casting Company, 248 Guoin street, Detroit, Mich. Light steel castings (electric furnace metal).

The Michigan Stove Company, Jefferson avenue, Detroit, Mich. Export office, Edgar A. Wilhelmi, Inc., 71 Murray street, New York. A complete line of stoves and ranges for coal, coke or wood; a complete line of heating stoves for all kinds of fuel, gas ranges and hot air furnaces: all made under the trade name "Garland The World's Best." Cable address, "Michstove," Detroit.

Michigan Wire Cloth Company, 527 Howard street, Detroit, Mich. Wire cloth, iron netting, wire screens, mining screens, wire lath, and drawers of fine brass, copper and bronze wire. Cable address, "Michwirclo," Detroit. Code, Western Union.

August Mietz Corporation, 128 Mott street, New York. Oil engines for all stationary and marine purposes; reversing clutches; air compressors; dynamos; compressed air hoists; electric lighting machinery; pumps: centrifugal, deep well, irrigation, power, steam and triplex; engines: alcohol, gas and gasoline, hoisting, kerosene, portable and pumping. Cable address, "Mietzweiss," New York. Codes: Western Union, Lieber's, A B C Fourth and Fifth editions.

J. A. Migel, 422 Fourth avenue, New York. Broad silks.

The Milburn Wagon Company, 3134 Monroe street, Toledo, Ohio. Electric automobiles, wagons, carts, farm wagons, dump carts, delivery wagons, automobile bodies. Cable address, "Milburn," Toledo. Code, Western Union.

Dr. Miles Medical Company, 117 West Franklin street, Elkhart, Ind. Proprietary medicines: Dr. Miles' nervine, heart treatment, anti-pain pills, liver pills, etc.

Millen, Aikenhead Company, Inc., 470 Fourth avenue, New York. Negligee and dress shirts, night shirts and pajamas.

The Miller, DuBrul & Peters Manufacturing Company, 507 East Pearl street, Cincinnati, Ohio. Cigarette machines, tobacco cutters, cigar machines, cigar molds, cigar factory supplies, cigarette packing machine. Jobbers of cigarette paper and cigarette machine tapes. Cable address, "Vertical," Cincinnati. Codes: A B C Fifth edition, A1, Lieber's.

The Miller Rubber Company, corner High street and Stanton avenue, Akron, Ohio. New York office, 296 Broadway. Automobile tires, tubes, tire accessories and repair materials; druggists' and surgical rubber sun-

dries, such as, gloves, sponges, water bottles, nipples, tubing, finger cots, bath caps, barber bibs; also football bladders and rubber toy balloons. Foreign agent, A. Siebert & Co., 6 Fann street, London, E. C., England. Cable address, "Millrubber," Akron. Codes: A B C Fifth edition, Western Union and private.

Miller & Hart, Twenty-fifth and La Salle streets, Chicago, Ill. Packing house at Union Stock yards. Pork products.

Miller & Sons Company, 5309 Westminster avenue, Philadelphia, Pa. New York office, 366 Broadway. Men's and Women's cotton, silk and fancy silk hosiery. Foreign agents: William Barratt & Son, 17 Back Piccadilly, Manchester, and Russell Bros., 6 Lilypot lane, London, England; William Lewis, 316 Pitt street, Sydney, Australia. Cable address, "Knotair," Philadelphia. Code, Western Union.

Edward Miller & Company, 99 Center street, Meriden, Conn. New York office, 70 Park place. Oil lamps, burners and accessories, electric light fittings, gas light fittings, electric portable table lamps, chandeliers, brackets, etc., incandescent gas burners, oil heating stoves, oil bicycle lanterns, kerosene oil burners. Jobbers of glassware for lamps and lighting fixtures. Foreign agents: John G. Rollins & Co., Ltd., Old Swan Wharf, London Bridge, London, England; Wm. A. Henderson, 277 Clarence street, Sydney, Australia; Wm. A. Scott, P. O. Box 483, Cape Town, South Africa; Fco. Villiers Furze, Casillo del Correo 1911, Buenos Aires, Argentina. Cable address, "Apsa," Meriden. Codes: Lieber's, A B C Fifth edition, Western Union.

The Frank Miller Company, 349 West Twenty-sixth street, New York. Dressings for automobile tops and for leather and imitation leather cushions; blackings and dressings for harness, boots and shoes; harness oil; harness soap; harness makers' ink; carriage top dressing; axle oil; shoe blacking in bottles and boxes; finishing dressings and burnishing inks for shoe manufacturers. Foreign branch, Tower Chambers, Moorgate, London, E. C., England. Cable address, "Owanego," New York. Code, Western Union.

Millers Falls Company, Millers Falls, Mass. Export office, 28 Warren street, New York. Bit braces, extension bit holders, hand drills, breast drills, chain drills, bench drills, ratchet drills, boring machines; automatic boring drills, length gauges, screw drivers, soldering sets, auger handles, drill chucks, iron levels, hack saw blades, (Star) hack saw frames, power hack saw machines, butcher saw blades, butcher saw frames, turning saws, jewelers' saws, coping saws, fret saw frames, fret saw machines, lathes for amateurs, tool holders, carving tools, glass cutters, spoke shave, hollow augers, spoke trimmers, wagon wrenches, bench hooks, nail pullers, grindstones, chisel grinders, polishing heads, mitre boxes, jointer gauges, jewelers' anvils, hand vises, bench vises, automobile truck jacks, screws, ordinary jack screws. Cable address, "Tignona," New York. Codes: Western Union, Lieber's, A B C.

Millers Falls Paper Company, Millers Falls, Mass. Bond, ledger, extra fine and special finish papeterie papers.

Millett, Woodbury & Co., Beverley, Mass. Men's, women's, misses' and children's warm shoes; also all kinds of comfort shoes, carried in stock at all times in large quantities.

Milligan & Higgins Glue Company, 222 Front street, New York. Glue and gelatine of all grades. Cable address, "Gelahigg," New York. Code, Western Union.

Milliken Brothers, Inc., Milliken, Staten Island, New York. New York office, 111 Broadway. Structural steel and iron for bridges, buildings, ships, barges, transmission and wireless towers, galvanized and painted smoke stacks, riveted pipe, portable buildings. Jobbers of steel plates, bars, rounds, channels, beams, angles and tees. Cable address, "Millikbros," New York. Codes: Western Union, Lieber's.

Milliken & Farwell, 622 Canal street, New Orleans, La. Sugar and molasses.

Thomas Mills & Brother, Inc., 1301 North Eighth street, Philadelphia, Pa. Steam jacketed kettles. ice shaves, ice cream freezers, ice tools, egg beaters, coffee machinery, refrigerating machinery, confectioners' machinery, bakers' machinery, confectioners' and bakers' tools, machinists and coppersmiths. Jobbers of confectioners' supplies. Cable address, "Brosmill," Philadelphia. Codes: A B C and Western Union.

The W. S. Mills Company, 80 Parallel street, Bridgeport, Conn. New York office, 79 Fifth avenue. Infants' and children's underwear.

The Millville Manufacturing Company, 626 Chestnut street, Philadelphia, Pa. New York office, 106 Franklin street. Sateens, cambrics, long cloths, pocketings, diapers, crashes, etc.

Milne Chair Company, Chattanooga, Tenn. Chairs and rockers of oak wood only, with solid wood, veneer and leather seats.

Milwaukee Bag Company, 206 South Water street, Milwaukee, Wis. Jute and burlap bags of all sizes and grades; cotton, drill and duck bags for flour and meal of all kinds, coffee, wheat, cement and salt bags; cotton parcel post mailing bags. Jobbers of flour and cement paper bags, burlap and cotton sheetings, cotton seamless grain sacks, twine suitable for sewing and tying bags. Cable address, "Modoc," Milwaukee. Codes: A B C Fourth and Fifth editions, Lieber's, Premier, Western Union.

Milwaukee Corrugating Company, Thirty-sixth and Burnham streets, Milwaukee, Wis. "Invisible Joint" steel ceiling, "Titelock" and "American" metal shingles, Spanish metal tile, "Netmesh" expanded diamond metal lath, galvanized "Superior" corner bead. Cable address, "Milcor," Milwaukee. Code, Western Union.

Milwaukee Reliance Boiler Works, 1102 Thirty-second street, Milwaukee, Wis. Steel tanks, boiler feed water heaters, gas producers for both power and fuel, vertical steam boilers, steel plate work. Jobbers of producer gas engines.

Milwaukee-Western Fuel Company, 14 Grand avenue, Milwaukee, Wis. Anthracite coal, bituminous coal, wood for fuel.

Minneapolis Knitting Works, 620 Bryant avenue, North, Minneapolis, Minn. Infants' and children's knit underwear, infants' shirts, infants' bands, children's knitted and cloth waists, children's waist union suits and union suits.

Minneapolis Steel and Machinery Company, 2854 Minnehaha avenue, Minneapolis, Minn. "Twin City" tractors, oil engines and gasoline hoisting engines.

Mishawaka Woolen Manufacturing Company, Mishawaka, Ind. Rubber and woolen footwear. Cable address, "Mishawoolen," Mishawaka.

Mississippi Glass Company, 220 Fifth avenue, New York. All forms of rolled glass, such as figured, rough, ribbed, prism and wire glass. Foreign agent, L. J. Lemaire, Garches, (S. & O.) France. Cable address, "Misipglas," New York. Code, A B C Fifth edition.

Missouri Lumber and Land Exchange Company, 1111 Long building, Kansas City, Mo. Yellow pine long and short leaf timbers, primes, decking squares, flooring and all yard stock. Cable address, "Exchange," Kansas City. Code, Western Union.

Missouri Malleable Iron Company, East St. Louis, Ill. General line of malleable iron castings.

Mitchell Brothers Company, Cadillac, Mich. Lumber and maple flooring.

The P. R. Mitchell Company, Spring Grove and Harrison avenues, Cincinnati, Ohio. New York office, Fifteenth street and Fifth avenue. Pillows, cushions, curled hair and feather dusters. Jobbers of denims, tickings, cretonnes and converted goods for the manufacturing and dry goods trade. Cable address, "Effingham," Cincinnati. Codes: A B C Fourth and Fifth editions, Lieber's.

The Robert Mitchell Furniture Company, 626 Race street, Cincinnati, Ohio. Furniture, bank fixtures, court house fixtures and furniture, interior trimmings for buildings. Also make a specialty of fine fixtures for large modern department stores and school desks.

Mitts & Merrill, 1909 North Water street, Saginaw, Mich. "Giant" keyseaters, keyseat milling machines, "Giant" boring mill, "M & M" hogs or chippers and shredders for grinding refuse in saw mills, wood working factories and for chipping and shredding dye and extract woods. Foreign agents: C. W. Burton, Griffiths & Co., London, England; Post van der Burg & Co., Rotterdam, Holland; V. Lowener, Christiania, Norway and Stockholm, Sweden; Leon Chapuis, Lyons, France. Cable address, "Mamsag," Saginaw. Codes: Lieber's and Western Union.

Model Brassiere Company, 200 Fifth aveune, New York. Brassieres. Foreign agents: Ayres & James, Pty., Ltd., 19 York street, Sydney, and 122 Flinders street, Melbourne, Australia; River Plate Commercial Co., Calle Cordoba 784, Buenos Aires, Argentina and 117 Avenida Roi Branco, Sala 100, Rio de Janeiro, Brazil; Calderon & Bustillos, La Paz, Bolivia; De La Rosa & Co., Bogota, Colombia; I. Puig & Verdaguer, Guayaquil, Ecuador; Joaquim Herm, 27 Ronda de San Pedro, Barcelona, Spain; John Sosa, Apartado 2004, Havana, Cuba. Cable address, "Modelbras," New York. Codes: Cable and Western Union.

The Christian Moerlein Brewing Company, 2019 Elm street, Cincinnati, Ohio. "Barbarossa" and "National Export" bottled beers. Cable address, "Moerlein," Cincinnati. Code, Western Union.

Mohawk Valley Cap Factory, 203 Park avenue, Utica, N. Y. New York office, 366 Broadway. Cloth and knitted caps, sweaters, underwear for men, women and children, cotton yarns. Cable address, "Valcap," Utica. Code, Western Union.

John Mohr and Sons, 349 West Illinois street, Chicago, Ill. Boilers, blast furnaces, hot stoves, converters, mixers, rotaries, tanks, stacks, anything made of plate or structural steel. Cable address, "Mohrsons," Chicago. Codes: Western Union, Lieber's, A B C.

Moline Plow Company, Moline, Ill. Export office, 165 Greenwich street, New York. Everything in agricultural machinery and implements, plows, cultivators, harrows, disk harrows, drills, seeders and all kinds of planters, harvesting machinery, tractors, automobiles, etc. Jobbers of land rollers and potato machinery. Foreign agents: Stephens, Allen & Co., Quai Valmy 159 bis, Paris, France; Adriance Platt & Co., Moscow, Omsk, Rostov, Russia; Adriance Platt & Co., 14 Helmerhuse, Copenhagen, Denmark. Cable addresses, "Dutchman," Moline; "Adriance," Poughkeepsie. Codes: A B C Fifth edition, Lieber's, Century, Standard, Western Union, Western Union Five Letter.

August Moll Manufacturing Company, 235 Lynch street, Brooklyn, N. Y. New York office, 373 Fourth avenue. Braids, dress trimmings and passementeries.

Moller & Schumann Company, Marcy and Flushing avenues, Brooklyn, N. Y. Varnishes, enamels, japans, driers. Cable address, "Zenith," New York.

The Monarch Carriage Goods Company, 2838 Spring Grove avenue, Cincinniati, Ohio. Buggy boots, storm aprons, top trimmers' hardware, rails and commercial body irons, hood fasteners, hood handles, foot and robe rails. Jobbers of curtain fasteners.

Monarch Paper Company, Kalamazoo, Mich. Machine finished and supercalendered book, lithograph, card, coating, folder and tablet paper.

Monongahela Tube Company, 321 Third avenue, Pitsburgh, Pa. Soft steel, charcoal iron and American ingot iron boiler tubes, wrought iron line pipe and oil well tubing. Cable address, "Monongahela," Pittsburgh. Code, Western Union.

Monroe Drug Company, Quincy, Ill. New York office, 39 East Forty-second street. Dyes in bulk for textiles, in packages for households; Putnam dry cleaner, a preparation to be used in gasoline for home dry cleaning; coffee substitute made from roasted grain and chicory. Jobbers of gum asafoetida. Cable address, "Monroe," Quincy, Ill. Codes: A B C Fifth and Fifth Improved editions.

Montgomery Brothers & Company, 254 Court street, Buffalo, N. Y. Millwork of all kinds, sash, doors, interior trim, boxes.

George H. Montrose & Company, 153 Madison avenue, New York. Women's and misses' high grade cloaks and suits.

Monument Mills, Housatonic, Mass. New York office, 214 Church street. White and colored cotton yarns, crochet, marseilles, satin and dimity bedspreads.

The Monument Pottery Company, Ingham avenue, Trenton, N. J. New York agents, F. H. Love Co., 109 Broad street. Vitreous lavatories, fountains, tanks and specialties; porcelain baths, lavatories, shower receptors, kitchen sinks, slop sinks, urinal stalls; vitrico urinals, sinks, hospital fixtures, lavatories. Jobbers of brass fittings for plumbers' earthenware. Cable address, "Monument," Trenton. Code, A B C Fifth edition and private.

Moon Brothers Carriage Company, St. Louis, Mo. Buggies, surreys, runabouts or driving wagons, phaetons, stanhopes and spring wagons.

The Moore Oil Company, York and McLean streets, Cincinnati, Ohio. New York office, 21 Park row. Branches: Cleveland avenue, Columbus, Ohio, and Logansport, Ind. All grades of lubricants or greases for automobiles, machinery, rolling mills, steel and iron mills, cement mills, textiles, tanning, mining and locomotives; all grades of cutting compounds, soluble oils, drawing compounds, quenching and tempering oils; all grades of vegetable oil soaps, automobile soaps, liquid soaps, shampoo soap and soap base; all grades of animal and vegetable fats. Cable address, "That good oil," Cincinnati.

The Moore & White Company, Fifteenth street and Lehigh avenue, Philadelphia, Pa. Friction clutches, speed changes; paper and pulp mill machinery, oil cloth and linoleum printing machines. Cable address, "Moite," Philadelphia. Codes: Western Union Fifth edition, Lieber's.

Benjamin Moore & Company, 231 Front street, Brooklyn, N. Y. Paints, colors, varnishes, wall finish enamels, stains, concrete paints, specialties. Foreign agents: A Furumark & Co., Stockholm, Sweden and Christiania, Norway; Molyn & Co., Buenos Aires, Argentina; Merino, Rodriguez & Hnos., San Juan, Porto Rico. Cable address, "Benmore," Brooklyn. Code, Western Union.

William Moore Knitting Company, corner Saratoga and Ontario streets, Cohoes, New York. New York office, 346 Broadway. Men's and women's fine knit underwear and men's union suits.

Morden Frog and Crossing Works, 208 South La Salle street, Chicago, Ill. Frogs, crossings, switches, switch stands, guard rail clamps, compromise joints, tie bars, rail braces, etc., in carbon rail and manganese for steam, electric and industrial railroads. Cable address, "Morden," Chicago. Code, Western Union.

More-Jones Brass and Metal Company, Broadway and Dock streets, St. Louis, Mo. Car and engine bearings, brass and bronze castings, solder, babbitt and ingot metals, trolley wheels and motor bearings, aluminum, gun metal and any non-ferreous metal special alloy castings, axle and armature bearings, bronze overhead line material. Jobbers of pig lead, ingot copper, block tin, slab zinc, aluminum, antimony, etc. Cable address, "Wichmetal," St. Louis.

Moreland Motor Truck Company, 1701 North Main street, Los Angeles, Cal. "Moreland" distillate motor trucks. Cable address, "Moreland," Los Angeles. Codes: Western Union, Lieber's, A B C Fourth and Fifth editions.

Morgan Construction Company, 21 Lincoln street, Worcester, Mass. Rolling mill machinery, wire mill machinery, gas producers, reversing valves for open hearth furnaces. Foreign agent, Axel Sahlin, International Construction Company, 57 Kingsway, London, W. C., England. Cable address, "Morgan," Worcester.

Morgan & Hamilton Company, corner Eighth avenue and Hume street, Nashville, Tenn. Sheetings. Cable address, "Nagrom," Nashville.

Morgan & Wright, Inc., foot of Bellevue avenue, Detroit, Mich. Selling agents, United States Rubber Export Company, 1790 Broadway, New York. "United States" automobile tires, rubber sundries. Cable address, "Morgan & Wright," Detroit.

Morris Brothers, 365 Broadway, New York. Suspenders for wholesale trade only.

Morris Machine Works, Baldwinsville, N. Y. New York office, 39 Cortlandt street. Centrifugal pumping machinery, steam engines. Foreign agents: United Engineering Company, Ltd., Johannesburg, South Africa. Cable address, "Morris," Baldwinsville. Codes: Western Union and Lieber's.

The Morris-Poston Coal Company, 906 Citizens' building, Cleveland, Ohio. Coal.

The Morris & Bailey Steel Company, Pittsburgh, Pa. Cold rolled strip steel.

Morris & Company, Union Stock yards, Chicago, Ill. New York office, Thirty-fifth street and Eleventh avenue. Beef, mutton, pork products, canned meats, smoked meats, butter, oils, ammonia, casings, fertilizers and glue. Foreign branches: Morris Beef Co., Ltd., London and Liverpool, England; Morris Packing Co., Paris, France; Christiania, Norway; and Rotterdam, Holland; Morris & Co., Havana, Cuba. Cable address, "Morisco," Chicago. Codes: A B C Fifth edition, Lieber's and Western Union.

I. P. Morris Company, Richmond and Norris streets, Philadelphia, Pa. New York office, 100 Broadway. Boilers: furnace flue, return tubular, scotch, marine, fire box; castings: iron and semi-steel; hydraulic forging presses; water turbines; pumps: boiler feed, mine, power, irrigation, centrifugal and steam; iron and steel tanks. Cable address, "Cramps," Philadelphia. Codes: Lieber's, A B C Fifth edition and Western Union.

Philip Morris & Company, Ltd., 72 Fifth avenue, New York. High grade cigarettes and smoking tobacco. Cable address, "Pold," New York. Code, A B C.

Morse Twist Drill and Machine Company, 170 Pleasant street, New Bedford, Mass. Arbors, chucks, counterbores, cutters, die stocks, dies, twist drills, drill stands, gauges, mills, reamers, screw plates, sleeves, sockets, taper pins, taps, grinding machines. Cable address, "Morse," New Bedford. Codes: Lieber's, A B C Fifth edition and Western Union Telegraphic.

Andrew J. Morse & Son, Inc., 221 High street, Boston, Mass. Diving apparatus, fire department supplies, the "Invincible" nozzle, special brass goods to order. Cable address, "Jamorse," Boston. Codes: Western Union, Lieber's and private.

Morton Manufacturing Company, Muskegon Heights, Mich. Iron working machinery, such as key seaters, planers and shapers. Cable address, "Morton," Muskegon. Codes: A B C, Lieber's and Western Union.

Moss Rose Manufacturing Company, Allegheny avenue and Hancock street, Philadelphia, Pa. New York office, 133 Fifth avenue. Upholstery fabrics; drapery fabrics, tapestry curtains; couch covers, table covers, table mats. Cable address, "Mossrose," Philadelphia. Code, Western Union.

The Moto-Meter Company, Inc., 15 Wilbur avenue, Long Island City, New York. Motometers.

The J. L. Mott Iron Works, 118 Fifth avenue, New York. Plumbing fixtures in solid porcelain, vitreous china and enameled iron ware; electric light posts; electric fountains; boilers and radiators; ornamental iron work such as fountains and grilles, entrances; stoves; steam kettles and caldrons. Foreign agents: Teknish Co., Christiania, Norway; Pons & Co., Havana, Cuba; R. Fernandez Gomez, Guatemala, Guatemala; W. J. Kingsland, Inc., Buenos Aires, Argentina. Cable address, "Nymsimil," New York. Codes, Western Union, A B C Fourth and Fifth editions and Lieber's.

Mount Union Tanning and Extract Company, Mount Union, Pa. Oak sole leather, tanning extracts, vegetable dye extracts (logwood, fustic and quercitron). Jobbers of hemlock sole leather. Cable address, "Tanextract," Mt. Union, Pa. Code, Western Union.

The Mount Vernon Bridge Company, Mount Vernon, Ohio. Fabricators of all kinds of bridge and structural work.

Mount Vernon Car Manufacturing Company, Mount Vernon, Ill. Freight cars of every description, including caboose cars; wheels, car castings, car forgings of every description, metal carlines for freight cars, pressed steel bolsters and articles for freight car repairs. Cable address, "Doswac," Mount Vernon, Ill. Code, Western Union.

Mount Vernon-Woodberry Mills, Inc., 506 Continental building, Baltimore, Md. Selling agents, Turner, Halsey Co., 62 Leonard street, New York. Cotton duck; sail, wide, army, belting, hose and filter fabrics; drills; twills; sheetings; rope, yarn, twine, seine twine, lamp wicks, khakis, colored cottons, bleached cottons.

The Mowbray & Robinson Company, Eighth and Horn streets, Cincinnati, Ohio. Export agents, Benn Lumber Co., Cincinnati, Ohio, and Burgess Bros. Co., Brooklyn, N. Y. New York office, 139th street and Rider avenue. Hardwood lumber and flooring. Foreign agents: Great Eastern Timber Co., 154 Bishopsgate, London, E. C., England. Cable address, "Getco," Cincinnati. Codes, A B C Fifth edition and Western Union.

Geo. Muehlebach Brewing Company, Eighteenth and Main streets, Kansas City, Mo. Beer.

The Mueller & Son Company, 361 Canal street, Milwaukee, Wis. Cigar, canners' and packing boxes, beer and soda water boxes, cigar box lumber. Jobbers of cigar labels and cigar makers' supplies.

H. Mueller Manufacturing Company, Decatur, Ill. Export office, 145 West Thirtieth street, New York. Bath room fixtures; cold chisels; service clamps; faucets; drinking fountains; pump governors; main tapping machines; machines for testing water meters; plumbers' supplies; reamers; gas and steam pressure regulators; water, steam and air strainers; rubber washers.

Müller Gloria Mills, Perry avenue, Norwalk, Conn. New York office, 30 East Twenty-first street. Silk and cotton goods and silk and wool goods for umbrellas and dresses. Cable address, "Gloriamills," Norwalk.

The W. H. Mullins Company, Salem, Ohio. Pressed steel automobile bodies, fenders, mud guards and sod pans; pressed steel motor and row boats; cedar canoes; architectural work; metal ornaments; bronze statuary, etc. Cable address, "Mullins," Salem. Codes, Manufacturers, A B C, Western Union and Lieber's.

Muncie Wheel Company, Muncie, Ind. Vehicle wheels and wheel material for horse drawn vehicles.

Munroe Felt and Paper Company, 79 Summer street, Boston, Mass. New York agents, C. W. Rantoul Co., 30 East Forty-second street. Kraft wrapping paper, carpet lining papers, bag papers, "cheviot" hanging paper, crimp paper, various specialties.

S. L. Munson Company, 108 Hudson avenue, Albany, N. Y. New York office, Brunswick building, Fifth avenue and Twenty-sixth street. Shirt waists, suits and aprons.

Murchey Machine and Tool Company, 85 Porter street, Detroit, Mich. Machine tools.

Murdoch, Kerr & Company, Inc., Strawberry and Cherry ways, Pittsburgh, Pa. Printers and publishers.

E. Murdock & Company, 363 River street, Winchendon, Mass. Washboards; pails and tubs; packages for lard, jelly, fish and candy.

Murphy Chair Company, corner Harper avenue and Wabash railroad, Detroit, Mich. Chairs. Cable address, "Murchair," Detroit. Code, A B C.

Murphy Iron Works, 1 Water street, Detroit, Mich. Export office, 901 Broadway, New York. Mechanical stokers, automatic furnaces.

Murphy Varnish Company, 224 McWhorter street, Newark, N. J. Varnishes, enamels, surfacers and colors ground in Japan and oil for railway cars, automobiles, carriages and housework, etc., varnishes for pianos and furniture. Foreign agent, L. Walowsky, Paris, France.

The Murray Company, Dallas, Texas. Export office, Atlanta, Ga. Cotton ginning and cotton seed oil machinery; also ginnery and oil mill supplies, such as belting, transmission and conveying machinery.

Muscogee Manufacturing Company, Columbus, Ga. Cotton yarns for knitters and weavers, fancy huck and turkish towels, mattress tickings. Foreign agents: A. G. Duque, P. O. Box 536, Havana, Cuba; Thos. J. Williams, 385 Sarmiento, Buenos Aires, Argentina.

The Musconetcong Iron Works, 149 Broadway, New York. Pig iron and crushed slag.

Muskegon Motor Specialties Company, corner Terrace and Water streets, Muskegon, Mich. Cam shaft for gasoline motors.

Mutual Chemical Company of America, 55 John street, New York. Bichromate of soda, bichromate of potash and neutral chromate of soda. Cable address, "Bichrome," New York. Codes, A B C Fourth and Fifth editions.

---

to manufacturers whose names are given in this book.

The Elwood Myers Company, 2 North Lowry avenue, Springfield, Ohio. Commercial leather goods, leather goods for advertising purposes, check covers and pass books for banks, diaries and memorandum books, calendars, fans and advertising novelties; metal, cardboard and weather-proof signs. Jobbers of advertising novelties made of metal and wood, also paper and cardboard.

Naday & Fleischer, 136 Madison avenue, New York. Converters of cotton dress goods. Cable address, "Fanrace," New York. Codes, A B C, Western Union and Lieber's.

Napier Iron Works, Nashville, Tenn. Pig iron.

Narragansett Machine Company, Providence, R. I. Works at Pawtucket, R. I. New York office, 52 Vanderbilt avenue. Gymnasium apparatus, steel lockers, grinding machinery, drill chucks. Foreign agents: Alfred Herbert, Ltd., Coventry, England. Cable address, "Gansett," Providence. Codes, A B C and Western Union.

The Narrow Fabric Company, Reading, Pa. Shoe laces, corset laces, rick rack braids, stickerei braids, elastic braids, single thread lace, skirt braids, soutache braids, middy lacers and braids, braided trimmings, etc. Foreign agents: J. de Mariano. Rivadavia 1255, Buenos Aires, Argentina; A. Kastendieck, Apartado 885, Havana, Cuba. Cable address, "Nufashond," Reading. Code, A B C Fifth edition.

Nash Engineering Company, Wilson avenue, South Norwalk, Conn. Air compressors, vacuum pumps, vacuum steam heating return line pumps, and air line pumps. Cable address, "Hyturb," South Norwalk. Codes, A B C Fifth Improved edition.

The Nash Motors Company, Kenosha, Wis. Jeffery motor cars and trucks. Foreign agents: Adriano Maia, Lourenco, Marques, Portuguese East Africa; Sociedad Anonima Compania Mercantil Chubut, Casa Matriz, Trelew, Chubut, and Fehling Hermanos, Buenos Aires, Argentina; Bennett & Wood, Ltd., Sydney, Australia; Thomson Hankey & Co., St. George's, Grenada, B. W. I.; A. F. Syers-Jones, Iquique, and The Magallanes Motor Garage, Punta Arenas, Chile; Luis R. Villamil, Madrid, Spain; Bartaburu, Aguirro & Perotti, Montevideo, Uruguay; G. Veyre, "Auto-Hall", Casablanca, Morocco; Compania Nautico-Mercantl, Oficios 36, Havana, Cuba; Vilh. Nellemann, Randers, Denmark; The Russa Engineering Works, Ltd., Calcutta, India; W. J. Stokvis, Ltd., Arnheim, Holland; N/V Handelmaatschappij, "Het Centrum," Weltevreden, Java; Aktieselskabet Auto. Christiania, Norway; Bilaktiebolaget Mercator, Gothenburg, Sweden; Monteath & Co., Pernambuco, Brazil; Enrique Real de Azua, Montevideo, Uruguay; Georgios N. Marinakos, Athens, Greece. Cable address, "Jeffcar," Kenosha. Codes, A B C Fifth edition and Western Union.

Nathan Manufacturing Company, P. O. Box 35, Flushing, N. Y. Injectors, lubricators, steam valves, boiler checks, check valves, feed water strainers, boiler washers and testers, steam fire extinguishers, oil cups, gauge cocks, whistles, cylinder and drain cocks, angle and globe valves, vacuum breakers. Jobbers of Coale muffler safety valves. Foreign branch, 66 Fenchurch street, London, E. C., England. Cable address, "Megalodon," New York.

Nathan Novelty Manufacturing Company, Inc., 84 Reade street, New York. Ankle supports; arch supports; sporting goods such as bags and covers; automobile and motorcycle accessories such as bags and covers, etc. Cable address, "Anklet," New York.

The National-Acme Manufacturing Company, Cleveland, Ohio. New York office, 77 White street. Automatic drilling attachments, battery accessories, roller bearing parts; bolts: brass and copper, stud, counter-

sunk; nuts: brass cap, brass hexagon, brass and copper, brass only, iron and steel, case hardened, knurled, telephone; screws: brass machine, cap and set, machine; screw machine products, screws for electrical trade, nut tapping machines, tapping machines; dies: screw cutting, automatic and self-opening; die heads, spring dies, automatic screw making machines, screw slotting machines, multiple spindle screw machines, nut milling machines, brass plugs, binding posts. Cable address, "Namco," Cleveland. Code, Lieber's.

The National Ammonia Company, 3600 North Broadway, St. Louis, Mo. Export office, 30 Platt street, New York. Anhydrous ammonia and aqua ammonia 26 degrees, for use in refrigerating and ice making machinery. Foreign agents: James Simpson & Co., 19 Exchange building, Liverpool, England; American Trading Co., Buenos Aires, Argentina. Cable address, "Ammonia," New York; St. Louis; Philadelphia. Codes, A B C Fifth edition and Western Union.

The National Automatic Tool Company, Seventh and South N streets, Richmond, Ind. New York office, 229 West Twenty-third street. Natco multiple tapping, drilling and reaming machines, built in eleven sizes ranging from 8" round head with eight spindles to 20 x 50" rectangular head with seventy-two spindles, capacity eight ¼" drills to sixteen 1¼". Cable address, "Natco," Richmond, Ind. Codes, Western Union and Lieber's.

National Car Wheel Company, Keystone building, Pittsburgh, Pa. Car wheels.

National Carbon Company, Madison avenue and 117th street, N. W., Cleveland, Ohio. New York agents, American Ever Ready Works of National Carbon Company, Thomson avenue and Orton street, Long Island City. Carbons for electric lighting, carbon brushes for motors and generators, carbon specialties of all kinds, dry batteries, storage batteries, etc. Foreign agents: R. E. Carlo, Rivadavia 1255, Buenos Aires, Argentina; J. R. Morris, 508 Imperial house, Kingsway, W. C., London, England. Cable address, "Carbon," Cleveland. Codes, A B C, Western Union, Postal, Simplex and Lieber's.

The National Cash Register Company, Dayton, Ohio. New York office, southeast corner of Broadway and Twenty-eighth street. Cash, ticket-issuing and autographic registers; credit files, electric credit systems. Branch offices and agencies in the principal cities of the world. Cable address, "Nacareco," Dayton. Codes, Lieber's A B C Fifth edition, Western Union and Bentley's Special.

National Casket Company, 2216 Oliver building, Pittsburgh, Pa. Export office, Long Island City, N. Y. Coffins, caskets; coffin and casket hardware and metal trimmings; coffin and casket lining and pillows; robes, suits, dresses, wrappers; embalming boards and supplies, pedestals, catafalques, canopies and undertakers' supplies of every description, embalming fluid. Jobbers of hearses, carriages, undertakers' wagons, embalming instruments, text books and sundries. Cable address, "Natcasco," New York. Codes, A B C Fourth edition.

National Cork Company, Inc., 55 Bogart street, Brooklyn, N. Y. Corks and crown corks.

National Dump Car Company, Railway Exchange building, Chicago, Ill. General service freight cars, such as dump, coal and gondola cars.

National Enameling and Stamping Company, 411 Fifth avenue, New York. Enameled ware, tin ware, sheet iron ware, steel hollow-ware, japanned ware, enameled iron sinks, coal and wood stoves, oil stoves and stove pipe. Cable address, "Nescoware," New York. Code, A B C Fourth edition.

National Equipment Company, 662 North Main street, Springfield, Mass. New York office, 1309 Everett building. Candy and chocolate machinery. Foreign agents: A Savy, Jeanjean & Co., Courbevoie (Seine), France; 9 Botolph Lane, London, E. C., England; Lausanne, Switzerland. Cable address, "Buck," Springfield, Mass. Codes, A B C Fifth edition and Lieber's.

National Fibre Board Company, 121 Beach street, Boston, Mass. Fibre board. Codes, Western Union and Lieber's.

National Fire Proofing Company, Fulton building, Pittsburgh, Pa. Export office, Flatiron building, New York. Hollow tile fireproofing, floor tile, partition, XXX wall tile, book, Tex-tile, drain tile, lock-joint sewer tile, imperishable silo, wall coping and flue lining, all sold under the trade name "Natco"; "McRoy-Camp" electrical conduits. Cable address, "Camp-duct," New York.

National Fuel Company, Oliver building, Pittsburgh, Pa. Export office, Widener building, Philadelphia, Pa. New York office, 1 Broadway. Blast furnace, foundry and smelter coke; gas, steam and by-product coal. Cable address, "Nafuco," Philadelphia. Code, A B C Fifth edition.

National Licorice Company, 106 John street, Brooklyn, N. Y. Licorice specialties, licorice confectionery. Cable address, "Wyandess," Brooklyn. Code, A B C.

The National Lock Washer Company, 65 Johnson street, Newark, N. J. Curtains, curtain fixtures, sash locks and balances for steam and electric railway cars; nut locks; lock washers. Cable address, "Washer," Newark.

National Machinery Company, Tiffin, Ohio. "National" bolt and nut machinery, rivet machinery, forging machinery and wire nail machinery; wedge grip bolt and rivet headers, automatic continuous hammer bolt headers; heavy pattern (all steel) forging machines; bolt threaders and pointers; nut machines; automatic and semi-automatic nut tappers, semi-automatic nut burring machines; roll thread machines; die sharpeners; washer machines and vertical shears. Foreign agents: Fenwick Frères & Co., Paris, France; Buck & Hickman, Ltd., London, Birmingham and Manchester, England, and Glasgow, Scotland; Bevan & Edwards, Pty., Ltd., Melbourne, Australia; American Machinery Import Office, Zurich, Switzerland; Aktiebolaget V. Lowener, Stockholm. Sweden; V. Lowener, Copenhagen, Denmark; V. Lowender's Maskinforretning, Christiania, Norway; S. G. Martin & Co., Petrograd and Moscow, Russia; Aktiebolaget Axel Christiernsson, Abo, Finland; A. M. Puente & Co., Havana, Cuba; Emilio F. Wagner, Lima, Peru; Van Rietschoten & Houwens, Rotterdam, Holland. Cable address, "National," Tiffin. Codes, Lieber's, Western Union and private.

The National Malleable Castings Company, 7706 Platt avenue, S. E., Cleveland, Ohio. New York office, 30 Church street. Hand brake mechanism; electric steel, malleable iron, railroad car, railroad track and open hearth steel castings; car couplers, draft gear; journal boxes; engine coupler pockets; draft gear yokes. Cable address, "Natmal," Cleveland.

National Metal Molding Company, 1110 Fulton building, Pittsburgh, Pa. New York office, 253 Broadway. Electrical conduits and fittings; "Sherar-duct" sherardized rigid steel conduit; "Economy" enameled conduit; "Flex-steel" flexible metallic conduit, armored cable and fittings; "Flextube" non-metallic flexible conduit; "National" metal moldings and fittings; stamped steel fixture studs; outlet boxes and covers; lock nuts and bushings; solid and gang switch boxes; wall or service brackets. Cable address, "Flexduct," Pittsburgh. Code, Western Union.

National Meter Company, 84 Chambers street, New York. Water meters and gas engines. Cable address, "Crown," New York. Codes, A B C Fourth and Fifth editions and Western Union.

The National Pipe Bending Company, River and Lloyd streets, New Haven, Conn. New York office, 149 Broadway. "National" feed water and storage heaters, gas water heaters; "National" direct contact heaters and purifiers; "National" steam and oil separators; coils and bends of iron, brass and copper pipe.

National Railway Appliance Company, 50 East Forty-second street, New York. Freight car specialties, varnish, enamels, paints and paint oil. Jobbers of car ventilators, fare boxes, truck center and side bearings, trolley bases, electric arc welders.

The National Ribbon Company, 440 Fourth avenue, New York. Silk ribbons.

The National Roofing Company, Tonawanda, N. Y. Mineral surfaced and smooth surfaced asphalt roofings, high grade house paints, barn paints, metal paints, varnishes, technical and preservative paints, floor and interior paints, all kinds of waterproofings, including cement waterproofings. Agencies all over the world. Cable address, "Permanent," Tonawanda. Codes: Western Union, A B C Fifth edition and Century.

National Scale Company, Chicopee Falls, Mass. New York office, 20 Vesey street. "National" counting machines, "National-Chapman" elevating trucks, "National" calling systems, and multi-unit steel shelving. Foreign agents: C. W. Burton, Griffiths Co., 1 Ludgate square, Ludgate hill, London, E. C., England; H. Brenneisen & Co., 5 Bd. Jules Ferry, Paris, France; S. Haug Ellingsen & Co., 9 Oure Slotsgt., Christiania. Norway.

The National Screw and Tack Company, 7413 Stanton avenue, Cleveland, Ohio. Screws, bolts, rivets, cotters, spokes, nuts and tacks.

National Silk Dyeing Company, 5 Colt street, Paterson, N. J. Salesrooms, 60 University place, New York. Commission dyers of skein silk and dyers and printers of silk and silk mixed goods. Cable address, "Natsidyeco," Paterson.

The National Sugar Refining Company of New Jersey, 129 Front street, New York. Refined sugars and syrups.

The National Tool Company, West 112th street and Madison avenue, Cleveland, Ohio. Milling cutters. Cable address, "Natoolco," Cleveland. Code, Western Union.

National Tracing Cloth Company (owned and operated by Sayles Finishing Plants), Saylesville, R. I. New York office, 72 Leonard street. "National" tracing cloth and tracing paper; "National", "Utility" and "Commander" tag cloth and "National" blue print cloth. Cable address, "Sayles," Pawtucket.

National Twist Drill and Tool Company, Brush street, near Grand Boulevard, Detroit, Mich. New York office, 117 Leonard street. Twist drills, milling cutters, reamers, chucks and special tools. Cable address, "Natroit," Detroit.

National Valve and Manufacturing Company, 3101 Liberty avenue, Pittsburgh, Pa. Piping materials for power plants, pipe bends, castings of steel, cast iron and bronze, valves, oil filters; contractors for the installation of piping and oil filters. Cable address, "Navco," Pittsburgh. Code, Western Union.

The National Woolen Company, 3131 West Thirty-third street, Cleveland, Ohio. Branch office, 538 East Monroe street, Little Falls, N. Y. Shoddy, or wool substitutes. Cable address, "Natwool," Cleveland.

---

to manufacturers whose names are given in this book.

Natural Carbonic Gas Company, McClellan street, Newark, N. J. Liquified carbonic acid gas.

Naylor Brothers, 2 North Water street, Peekskill, N. Y. Export office, 30 Church street, New York. Cast iron pulleys, hangers and all transmission machinery.

Neely Nut and Bolt Company, 26 South Twenty-second street, Pittsburgh, Pa. Export agent, Raymond C. Riera, Whitehall building, New York. New York sales agents, Ely & Williams Company, 257 Broadway. Nuts.

Neenah Paper Company, Neenah, Wis. Bond and ledger papers only.

Nelson Knitting Company, Rockford, Ill. New York office, 346 Broadway. Seamless cotton hosiery, known as "The Old Original Rockford Socks".

Nelson-Matter Furniture Company, 213 Lyon street, N. W., Grand Rapids, Mich. Bed room and dining room furniture. Cable address, "Barnhart," Grand Rapids.

N. O. Nelson Manufacturing Company, 928 Chestnut street, St. Louis, Mo. Cast iron soil pipe and fittings, enameled iron bathtubs, lavatories and sinks; plumbers' brass goods; lead pipe, traps and bends; pipe cutting machines; closet tanks and seats. Jobbers of entire line usually carried by plumbing supply houses. Cable address, "Nonco," St. Louis. Codes, A B C Fifth edition, Western Union and Lieber's.

Neptune Meter Company, 50 East Forty-second street, New York. Water, gasoline and full oil meters. Cable address, "Tridmetco," New York. Codes, Western Union and A B C.

Nestor Manufacturing Company, Inc., 40 West Thirteenth street, New York. Tools and special machinery.

A. E. Nettleton Company, Pearl and Willow streets, Syracuse, N. Y. Boston office, 183 Essex street. Men's fine shoes. Foreign agents: L. Hollerbusch, 5 Guildhall Chambers, 31 Basinghall street, London, England; J. Rosenthal, P. O. Box 1425, Manila, P. I.; Geo. Jimenez, Habana 111, Havana, Cuba; R. I. Davis, 304 E. Evergreen street, San Antonio, Texas; Arthur Block, 9 Rue de Constantinople, Paris, France. Cable address, "Nettleton," Syracuse. Code, Western Union.

The R. Neumann Hardware Company, 9 St. Francis street, Newark, N. J. Trunk, bag and suit case hardware. Jobbers of trunk and bag factory machinery. Cable address, "Neumann," Newark.

R. Neumann & Company, 76 Worth street, New York. Fancy leather, consisting of sheepskins, skivers, calf skins, goat skins (moroccos) and sealskins in varied assortments of grains, colors and finishes suitable for the bookbinding, pocketbook, novelty, traveling goods and allied trades, but not adapted for use in the manufacture of shoes, gloves or furniture. Foreign agents: Zapater & Duran, Pasaje de Guemes 461, Buenos Aires, Argentina. Cable address, "Randegg," New York. Codes, A B C Fifth edition.

Nevins-Church Press, 135 William street, New York. Labels "Colored", folding boxes, showcards, advertising novelties, display containers, and beer pads. Cable address, "Nescolon," N. Y. Codes, A B C Fifth edition and Western Union.

New Bedford Cotton Mills Corporation, 291 Phillips street, New Bedford, Mass. New York agent, Butler, Prentice & Co., 320 Broadway. Plain and fancy fine cotton goods.

The New Britain Machine Company, New Britain, Conn. Multiple spindle automatic chucking machines, six spindle automatic screw machines, drop-head polishing and buffing machines, floor and bench types chain-

saw mortising machines, dado machines, shop furniture as follows: bench legs, bench drawers, shop tools, portable work stands, portable vise stands, machinist's vises, scraping tables, lathe pans, lathe racks, bar stock racks, screw machine racks, shop shelving, permanent ladders, stanchions, nesting and stacking tote boxes, countershaft standards, seat supports, blacksmiths' work stands, revolving screw racks, etc. Foreign agents: Coats Machine Tool Co., London and Newcastle-upon-Tyne, England, and Glasgow, Scotland.

The New Departure Manufacturing Company, Bristol Conn. Bicycle accessories, coaster brakes, hubs, bells, cyclometers; ball bearings, steel balls; door bells; car bells; fire bells. Foreign agents: Jacob Holst, Freeport, Copenhagen, Denmark, for continental Europe; Brown Bros., Ltd., Great Eastern street, London, E. C., England. Cable address, "Departure," Bristol, Conn. Codes, Lieber's, A B C Fifth edition and Western Union.

New England Butt Company, 304 Pearl street, Providence, R. I. Braiding machinery, insulated wire and wire rope machinery. Foreign agents: Selson Engineering Co., 85 Queen Victoria street, London, E. C., England. Cable address, "Buttco," Providence. Code, Lieber's.

New England Confectionery Company, 253 Summer street, Boston, Mass. Confectionery. Cable address, "Necco," Boston. Code, International.

The New England Knitting Company, 435 Main street, Winsted, Conn. New York office, New York Life building. Men's underwear.

New England Lime Company, Danbury, Conn. Finishing, mason's and hydrated lime; also high grade chemical lime for sugar refining and other chemical uses.

New England Structural Company, 110 State street, Boston, Mass. Structural steel of all kinds, factory and office buildings, bridges.

New Haven Clock Company, New Haven, Conn. New York office, 92 William street. Clocks and cheap watches. Cable address, "Jamavale," New York. Codes, A B C and Western Union.

New Haven Gas Light Company, 80 Crown street, New Haven, Conn. Aqua ammonia, benzol, toluol, solvents, pitch, road tars, black paint, coke, creosote. Cable address, "Gasco," New Haven. Code, Western Union.

The New Haven Pulp and Board Company, Greene and East streets, New Haven, Conn. Folding paper box boards and card middles.

The New Haven Screw Company, 191 Foster street, New Haven, Conn. Machine parts, special screws, extra strong steel and iron pipe couplings, S.A.E. nuts, "Foster Safety" hollow set screws, and spark plug parts.

The New Home Sewing Machine Company, Orange, Mass. Export office, 45 East Seventeenth street, New York. Vibrating shuttle, rotary, chain stitch and oscillating shuttle sewing machines; sewing machine parts and sewing machine needles. Jobbers of electric motors for sewing machines, sewing machine oil, sewing machine attachments and thread. Cable address, "Renjohn," New York. Codes, A B C Fifth edition, Lieber's, Western Union Telegraphic and Five Letter editions.

New Jersey Button Works, 63 Morris avenue, Newark, N. J. Pearl buttons and vegetable ivory buttons.

New Jersey Car Spring and Rubber Company, Brunswick street and Railroad avenue, Jersey City, N. J. New York office, 30 Church street. Mechanical rubber goods, rubber belting, rubber hose for water, air, steam, oil, pneumatic tools, chemicals, brewers', acids, sand blast, suction, and fire; dredging sleeves, rubber packing and gaskets, perforated and moulded rubber mats and matting, rubber step treads, fire department landing pads, rubber hat bags, rubber valves, and pneumatic automobile tires and tubes. Cable address, "Carpringco," Jersey City.

The Nicola Building Company, Lambert street and Penn avenue, Pittsburgh, Pa. Building contractors.

Niles-Bement-Pond Company, 111 Broadway, New York. Lathes: bench, engine, turret, car wheel, driving wheel, axle, ingot slicing, pulley, projectile, gun, crank shaft, roll turning; planers: standard, reversing motor drive, frog and switch, plate, crank, rotary, wall; shapers: vertical and horizontal; boring and turning mills; steam hammers; slotting machines: crank, geared, locomotive frame, portable; milling machines: horizontal, vertical, rod, hand, "Lincoln", thread, profiling; drilling machines: vertical, multiple, spindle, radial, horizontal, bench, sensitive, gun barrel; horizontal boring and drilling machines; cylinder boring machines; horizontal boring, drilling and milling machines; bending rolls, grinders, electric traveling cranes. Office at 25 Victoria street, London, S. W., England. Foreign agents: The John Bertram & Sons Co., Ltd., Dundas, Montreal, Toronto, Winnipeg and Vancouver, Canada; R. M. Wiggin, Mexico City, Mexico; J. F. Berndes & Co., P. O. Box 349, Havana, Cuba; Comptoir Tech. Bresilien, Rio de Janeiro, Brazil; C. C. Clarke & Co., Buenos Aires, Argentina; W. R. Grace & Co., Lima, Peru; International Machinery Co., Santiago, and Antofogasta Nitrate Agencies, Iquique, Chile; Carlos Cordonez, Guayaquil, Ecuador; Glaenzer & Perreaud. 18 Faubourg du Temple, Paris, France; S. G. Martin & Co., Ltd., Petrograd and Moscow, Russia; Ing. Ercole Vaghi, Milan, Italy; The F. W. Horne Co., Tokio, Japan; Tzin Ching Yuan Co., Hankow, China; Frank L. Strong Machinery Co., Manila, Philippine Islands; Bevan & Edwards, Melbourne, Australia; Jno. N. Chambers & Sons, Ltd., Wellington, New Zealand; R. M. Dowson, Johannesburg, South Africa; V. Lowener, Stockholm, Sweden, Christiania, Norway and Copenhagen, Denmark. Cable addresses, "Nilesco," New York; "Niliacus," London. Codes, all standard commercial.

A. H. Nilson Machine Co., 1525 Railroad avenue, Bridgeport, Conn. Wire forming and bending machines, four slide machines, piano action machines and special automatic machines. Cable address, "Nilson," Bridgeport. Code, Western Union.

Nilson-Miller Company, 1300 Hudson street, Hoboken, N. J. Special machinery, gears and gear cutting, automobile parts, gasoline and oil engines (to order), hydraulic rams.

Ludwig Nissen & Company, 182 Broadway, New York. Fine diamonds, other precious stones and pearl jewelry. Jobbers of diamonds, pearls and all other gems. Cable address, "Nissenco," New York. Code, Western Union.

Nixon, Walker & Tracy, 45 East Seventeenth street, New York. Staple and fancy worsteds for men's wear, also fabrics for the shoe, automobile and cap trades. Cable address, "Nixonoid," New York. Code, A B C Fifth edition.

Charles Nobs & Son, 156 Astor street, Newark, N. J. Watch case materials, manufacturing jewelers' parts, optical material and automatic screw machine parts.

Nonotuck Silk Company, Florence, Mass. Export office, 215 Fourth avenue, New York. Sewing and embroidery silk, machine twist, knitting and crochet silk, spun silk yarns for knitters and weavers, embroidery cottons, worsted and mercerized cotton braids. Cable address, "Nonotuck," Northampton. Code, A B C Fifth Improved edition.

Nordberg Manufacturing Company, Milwaukee, Wis. New York office, 120 Broadway. Engines: Corliss, poppet valve, unaflow, fuel oil, Diesel type (large size), steam and electric hoisting; air compressors, condensers, ore steam stamps. Cable address, "Nordberg," Milwaukee. Codes, Business Telegraph, Western Union, Lieber's.

Henry Nordlinger & Company, 81 Front street, New York. Coffee and cocoa. Cable address, "Spiderweb," New York. Codes, Lieber's, Voller's Number System and private.

Nordyke & Marmon Company, Morris street and Kentucky avenue, Indianapolis, Ind. New York office, 42 West Sixty-second street. Flour mill machinery and motor cars. Jobbers of grain cleaning machinery, mill supplies, power plants and connections. Foreign agents: For mill machinery, Francisco Paz, Bogota, Colombia; F. W. Horne Co., Tokio, Japan; W. R. Grace & Co., New York, agents in Chile; for automobiles, Frank G. Robins Co., Havana, Cuba; Aluminum Co. of South America, Pittsburgh, Pa., for South America; Luis R. Villamil de Miguel, Madrid, Spain; Nico A. Simopulo, Athens, Greece; Block & Landrup, Copenhagen, Denmark; Lindzen & Robsahm, Christiania, Norway; Isnosskoff Luckau & Co., Petrograd, Russia; S. L. Van Nierop & Co.'s Handelmaatschappij, Samarang, Java; S. Nikolajeff, Finland; Edmund Stevens, San Juan, P. R.; Speyer & Co., Bombay, India; Wilh. Sonesson & Co., Ltd.. Malmo, Sweden; R. Visser, Utrecht, Holland, Cable address, "Nomarco," Indianapolis. Codes, A B C, Lieber's and Western Union.

The Norma Company of America, 1790 Broadway, New York. Ball bearings, roller bearings, thrust bearings. Cable address, "Normaco," New York. Codes, Lieber's and A B C Fifth edition.

North Brothers Manufacturing Company, Lehigh avenue and American street, Philadelphia, Pa. Export agents, John H. Graham & Co., 113 Chambers street, New York. Mechanics' tools, plain, ratchet, spiral, pocket and magazine screwdrivers; automatic push, hand, breast, chain and bench drills; vises and ratchet tap wrenches; ice cream freezers: toy, hand and machine; hand and machine ice breakers; ice chippers and shavers; fluting and plaiting machines; tobacco cutters and shaves; Christmas tree holders. Foreign agents: Markt & Co., Ltd., London, England, and Paris, France; John H. Graham & Co., 416 George street, Sydney, Australia. Cable address, "Northbros," Philadelphia. Code, A B C Fourth edition.

North Star Chemical Works, Lawrence, Mass. Lanoline, compound wool fat and "Germ-X."

O. B. North & Company, 67 Franklin street, New Haven, Conn. Saddlery hardware and specialties.

Northampton Cutlery Company, Northampton, Mass. New York office, 127 Duane street. Table cutlery.

Northampton Silk Company, Ann and St. Joseph streets, Easton, Pa. New York office, 117 East Twenty-fourth street. Broad silks, including crepe de chine, georgette, charmeuse and all staple silks.

Northern Bag Company, 101 Third avenue South, Minneapolis, Minn. Jute and cotton bags. Jobbers of paper flour bags; cotton, flax and hemp twines. Cable address, "Hardwood," Minneapolis. Codes, Bentley's Phrase, A1 and A B C.

Northern Furniture Company, Sheboygan, Wis. Bed room, dining room, kitchen and library furniture.

Northern Paper Mills, Madison and Day streets, Green Bay, Wis. New York office, 298 Broadway. Toilet paper and paper towels.

Northern Welding Company, 2429 University avenue, S. E., Minneapolis, Minn. Oxy-acetylene welding and cutting apparatus and supplies, compressed oxygen, oxygen and hydrogen manufacturing plants, acetylene generators.

Northland Pine Company, 3201 Second street North, Minneapolis, Minn. Lumber manufacturers.

Northwest Lumber Company, 1115 White building, Seattle, Wash. Fir, spruce, hemlock and red cedar lumber; red cedar shingles. Code, A B C Fifth edition.

Northwest Steel Company, foot of Sheridan street, (Box 1198), Portland, Ore. Steel ship builders and fabricators of structural steel for all purposes, buildings, bridges, etc. Jobbers of steel plates, shapes and bars.

Northwestern Knitting Company, 718 Western avenue, Minneapolis, Minn. New York office, 334 Fourth avenue. Men's, women's and children's ribbed knit underwear sold under the brand "Munsingwear." Code, Western Union.

Northwestern Malleable Iron Company, 756 Park street, Milwaukee, Wis. Malleable iron castings.

Northwestern States Portland Cement Company, First National Bank building, Mason City, Iowa. "Northwestern" brand portland cement.

The Northwestern Terra Cotta Company, 2525 Clybourn avenue, Chicago, Ill. Architectural terra cotta.

Northwestern Yeast Company, 1750 North Ashland avenue, Chicago, Ill. Dry hop yeast, "Yeast Foam" and "Magic Yeast".

Norton Company, Worcester, Mass. New York office, 151 Chambers street. Alundum and crystolon grinding wheels, alundum and crystolon grain for polishing, refractories, grinding machinery, India oilstones, scythe stones, glass cutting stones, grinding wheel dressers and valve grinding compound. Foreign agents: Charles Churchill & Co., Ltd., 9 Leonard St., Finsbury, London, England; Alfred Herbert, Ltd., 47 Blvd. de Magenta, Paris, France; Alfredo Bodi, Angolo Via Giulio-Corso Valdocco, Turin, Italy; Iznosskoff & Co., Morskaja 29, Petrograd, also Moskow and Ekaterinburg, Russia; Morris & Bramer, Gogol street 7, Petrograd, also Moscow, Russia; F. W. Horne Co., 6 Takiyama-cho, Kyobashiku, Tokio, Japan; Tzin Ching Yuan Co., Hankow, China. Cable address, "Norco," Worcester. Codes, Lieber's, Western Union, A B C Fifth edition, New Business, General Telegraph and Business.

The Norwalk Iron Works Company, South Norwalk, Conn. Compressors for air, oxygen, hydrogen, acetylene, carbonic acid gas, nitrous oxide, etc.

Norwalk Lock Company, South Norwalk, Conn. New York office, 23 Warren street. Builders' hardware and marine hardware.

The Norwalk Tire and Rubber Company, Norwalk, Conn. Automobile tires and tubes. Cable address, "Nortire," Norwalk

Norwood Engineering Company, Florence, Mass. Paper finishing machinery including web super calendars, friction calendars, sheet calendars, platers, glassine paper calendars, dusting machinery; water filters for paper mills, water purification plants for municipal work.

W. S. Nott Company, 201 North Third street, Minneapolis, Minn. Leather belting, pump leathers and leather specialties. Jobbers of all kinds of belting, packing, hose, waterproof clothing, general mill supplies, roofing, pipe coverings, fire apparatus.

The Nucoa Butter Company, Inc., Bayonne, N. J. New York office, 10 Bridge street. Coconut butters and margarine. Cable address, "Nucoa," Bayonne. Codes, A B C Fifth edition and private.

R. D. Nuttall Company, McCandless and Harrison avenues, Pittsburgh, Pa. New York agent, Westinghouse Export Company, 165 Broadway. Cut gears and pinions, trolleys, couplings, expansion joints. Foreign agents: For all countries except France and Italy, Westinghouse Electric and Manufacturing Company, 165 Broadway, New York; Ernest Demoley,

43 Rue de Trevise, Paris, France; Giovanni Checchetti, Piassa Sicilia, Milan, Italy. Cable address, "Nutalgear," Pittsburgh. Codes, Western Union, Westinghouse.

O K Stove and Range Company, 220 West Main street, Louisville, Ky. A full line of cast iron and steel heating and cook stoves and ranges.

Thomas Oakes & Company, Bloomfield, N. J. Woolen manufacturers.

The Oakley Machine Tool Company, Oakley, Cincinnati, Ohio. Universal cutter and tool grinder, "No. 2 Oakley"; milling machines. Cable address, "Oakley," Cincinnati. All codes.

Oakville Company, Waterbury, Conn. New York office, 1182 Broadway. Pins, safety pins, piano hardware, metal hose supporter trimmings, special articles from wire and metal. Foreign agents: Muller & Phipps (Asia), Ltd., Englewood, N. J., agents for Manila and the Far East; Donnell & Palmer, Buenos Aires, Argentina; Wm. E. Peck & Co., 104 Pearl street, New York, agents for pins in London, Paris, Melbourne. Sydney, Rio de Janeiro and Cape Town; I. B. Kleinert Rubber Co., 719 Broadway, New York, agents for pins in London, Paris, Sydney and Christchurch. Cable address, "Oakvilleco," Waterbury. Codes, Western Union and A B C Fifth edition.

Oconto Company, 817 Railway Exchange, Chicago, Ill. Mills and yards at Oconto and Nahma, Wis. Pine, hemlock and hardwood lumber including birch, maple, beech, ash, elm, oak and basswood. Cable address, "Oconto," Chicago. Code, A B C.

The Oesterlein Machine Company, 2850 Spring Grove avenue, Cincinnati, Ohio. Milling machines and grinders. Foreign agents: R. S. Stokvis & Fils, 103 Rue Lafayette, Paris, France, and Brussels, Belgium; R. S. Stokvis & Zonen, Ltd., Rotterdam, Holland; C. W. Burton, Griffiths & Co., London, England; H. W. Ward & Co., Ltd., Birmingham, England, and Milan, Italy. Cable address, "Oesterlein," Cincinnati. Code, Lieber's.

J. Edward Ogden Company, Inc., 147 Cedar street, New York. Steel doors for piers and for large openings, ferry machinery, buildings of light structural steel, "Sebro" expansion bolts, concrete inserts. Foreign agents: H. F. McIntosh & Co., 82 East Richmond street, Toronto; Bacon Bros., 377 St. Paul avenue, Montreal, and Turner & Walker, 425 Henry avenue, Winnipeg, Canada. Cable address, "Escoba," New York.

The Ohio Blower Company, Cleveland, Ohio. "Swartwout" rotary ball bearing ventilators, cast iron and galvanized exhaust heads, cast iron steam separators, cast iron oil separators; "Hydromatic" steam traps and water level control valves; quick drying type and truck type core ovens. Cable address, "Swartwout," Cleveland.

The Ohio Brass Company, Mansfield, Ohio. New York office, 30 Church street. Overhead trolley supplies and rail bonds for electric railways, mines and industrial haulage systems; third rail insulators, high voltage porcelain insulators, car equipment specialties. Foreign agents: Carr Bros., London, E. C., England; Marcel, Cadiot, Paris, France; Takata & Co., Tokio, Japan; Ing. L. Meriggi & Co., Milan, Italy; R. D'Aulignac, Barcelona, Spain; The Von Hamm-Young Co., Honolulu, T. H.; R. W. Cameron & Co., Sydney. Melbourne, Brisbane, Perth, Australia and Wellington, New Zealand. Cable address, "Electric," Mansfield. Codes, A B C Fifth edition, Lieber's Standard and Western Union.

The Ohio Chemical and Manufacturing Company, 1177 Marquette street, Cleveland, Ohio. New York office, 495 Canal street. Epsom salts, nitrate of ammonia, nitrous oxide gas, oxygen, carbonic acid gas, apparatus for the administration of anaesthetics. Cable address, "Oceandemco," Cleveland. Codes, Western Union and A B C.

The Ohio Foundry and Manufacturing Company, Railroad and Stock streets, Steubenville, Ohio. New York office, 488 Greenwich street. Coal and gas burning grates for fireplaces, andirons of iron and brass; baskets, screens, dampers, gas logs, etc., for fireplaces; electric heaters for fireplaces. Jobbers of spark guards and gas fittings.

The Ohio Knife Company, Cincinnati, Ohio. Paper trimming knives; shear blades for cutting sheet metal; planer knives for wood working factories; knives for stave, heading, excelsior and veneer manufacturing; machine knives made to customers' patterns. Cable address, "Flybars," Cincinnati. Code, Universal.

The Ohio Quarries Company, 1306 Citizens building, Cleveland, Ohio. Export agent, A. G. Swallow, 95 William street, New York. Grindstones, rubbing stones.

The Ohio Suspender Company, Mansfield, Ohio. Suspenders, garters, arm bands and belts for men. Cable address, "Osco," Mansfield. Code, Western Union.

The Ohio Valley Pulley Works, Inc., Main and Chester streets, Maysville, Ky. Pulleys: wood split, transmission, iron center, flange, taper and step cone, tight and loose.

Ohmer Fare Register Company, Dayton, Ohio. Branch at Rochester, N. Y. Indicating, recording and printing registers for use in all types of electric railway cars, steam cars, motor busses, etc.; ticket issuing and printing transfer machine for use in electric railway cars; recording, printing and receipt-issuing taximeter for use in taxicabs. Cable address, "Ohmeregister," Dayton. Code, Western Union.

Oil Seeds Company, 35 South William street, New York. Vegetable oils. Cable address, "Knotwort," New York. Codes, A B C Fourth, Fifth and Fifth Improved editions, Lieber's.

Oil Well Supply Company, 215 Water street, Pittsburgh, Pa. New York office, 90 West street. Oil well supplies including boilers, engines (steam, gas and gasoline), well drilling and fishing tools, pumping powers, rigs and derricks, portable drilling machines, rotary drilling equipment, refinery equipment, packers. Jobbers of tubular goods, manila cable and wire line. Cable addresses: "Eaton," Pittsburgh; "Wellocoy," London. Codes, Bentley, Western Union, Lieber's, U. S. Steel Corporation and A B C.

The Okonite Company, 501 Fifth avenue, New York. Export office, 253 Broadway, New York. Rubber insulated and cambric insulated wires and cables, friction and rubber tape, potheads for telephone and telegraph use. Cable address, "Okonite," New York. Codes: A B C Fifth edition, Lieber's, Western Union and Brentano's.

Oliver Chilled Plow Works, 533 South Chapin street, South Bend, Ind. Agricultural implements. Foreign agents: International Harvester Co. of Australia, Melbourne, Australia; Maison Th. Pilter, Soc. Anon., Paris, France; Lloyds & Co., Letchworth (Herts), England; Hasenclever & Co., Buenos Aires, Argentina; John Wallace & Sons, Ltd., Glasgow, Scotland; Andrew Hollingworth & Co., Stockholm, Sweden; G. A. Fichardt, Ltd., Bloemfontein, South Africa. Cable address, "Oliver," South Bend. Codes, A1, Abcedary, International.

Oliver Iron and Steel Company, Tenth and Muriel streets, Pittsburgh, Pa. New York office, 50 Church street. Bolts: machine, carriage, bridge, lag, track and special; nuts; washers; drop forgings, forgings for cars and general work; picks; mattocks; crow bars; digging bars; claw bars; dog eared and screw spikes; concrete reinforcing bars; telegraph and telephone pole line material; wagon irons; singletree trimmings; wedges. Cable address, "Oliver," Pittsburgh. Code, International Cable Register.

The Oliver Typewriter Company, 159 North Dearborn street, Chicago, Ill. New York office, 310 Broadway. "Oliver" typewriting machines. Jobbers of typewriter ribbons and carbons. Foreign branch, 75 Queen Victoria street, London, E. C., England. Cable address, "Typol," Chicago. Codes, A B C, Lieber's and Western Union.

Oneita Knitting Mills, Utica, N. Y. New York office, 364 Broadway. Knitted underwear. Foreign office: 8 Edmund place, London, E. C., England.

Onondaga Pottery Company, Syracuse, N. Y. New York office, room 1007, 200 Fifth avenue. China tableware for family, club and hotel services.

Ontario Silver Company, Muncie, Ind. Silver plated flatware and table cutlery, also nickel silver flatware.

Oppenheim, Oberndorf & Company, Inc., Coca Cola building, Baltimore, Md. New York office, 260 Church street. Work, dress and wool flannel shirts, trade name, "Haberdasher"; athletic underwear in cotton and in silk, trade name "Sealpax". Cable address, "Miehneppo," Baltimore.

The John S. Oram Company, corner Fifty-third street and Hamilton avenue, N. E., Cleveland, Ohio. Cooperage machinery, including machines for making staves, headings, barrels, casks, kegs, hoops and for flaring and riveting hoops. Cable address, "Oram," Cleveland. Code, Western Union.

Oregon City Manufacturing Company (Woolen Mills), Oregon City, Ore. New York office, 373 Fifth avenue. Woolen blankets, Navajo Indian robes, steamer and automobile robes, mackinaw clothing, flannel and cassimere overshirts, overcoats, bath and lounging robes.

Oriental Silk Printing Company, Belmont avenue, Haledon, N. J. New York office, 95 Madison avenue. Printers of silk mixed and silk piece goods. Ways printing and piece dyeing.

The John C. Orr Company, corner Java and West streets, Brooklyn, N. Y. Flooring; roofing; lumber: creosoted, cypress, fir, spruce, North Carolina pine, oak, white pine and yellow pine. Cable address, "Orrlumb," New York. Codes: A B C Fifth edition and Western Union.

The Orr Felt and Blanket Company, South Main street, Piqua, Ohio. Paper makers' felts and jackets, bed blankets. Cable address, "Grayco," Piqua. Code, Western Union.

J. K. Orr Shoe Company, Atlanta, Ga. Men's and boys' welt shoes, fine canvas shoes a specialty. Jobbers of women's and children's shoes.

Frederick Osann Company, 247 Seventh avenue, New York. Special sewing machines and special machinery for manufacturing clothing, knit goods, fur garments, hats, underwear, shirts, overalls, women's clothing, dresses, waists, etc. Jobbers of cloth cutting machines. Cable address, "Osanrick," New York. Code, Western Union.

The Osborn Manufacturing Company, 5401 Hamilton avenue, Cleveland, Ohio. Export office, 395 Broadway, New York. Brushes, brooms, hardware specialties, foundry supplies and moulding machines. Foreign agents: J. W. Jackman & Co., Caxton House, Westminster, London and Blackfriars road, Manchester, England; Chas. F. Hauss, Alberto Da Giussano 16, Milan, Italy; C. C. Braun, Drottninggatan 80A, Stockholm, Sweden; Fox & Merrit, 18 Bridge street, Sydney, Austrlia; Ja. M. Aiwas Co., Ltd., Viborgskoie Shosse 21-25, Petrograd, Russia. Cable address, "Wirebrush," Cleveland. Code, Lieber's.

Osborne, McMillan Elevator Company, 601 Chamber of Commerce, Minneapolis, Minn. Grains of all kinds.

Osmun-Parker Manufacturing Company, 338 Mulberry street, Newark, N. J. New York office, 544 Fifth avenue. Pearl and diamond jewelry.

---

to manufacturers whose names are given in this book.

Ostby & Barton Company, 118 Richmond street, Providence, R. I. New York office, 15 Maiden lane. Solid gold rings, gold filled rings, pendants, brooches, scarf pins, baby pins, earrings, tie clasps. Cable address, "Ostbar," Providence. Code, Western Union.

The Oster Manufacturing Company, East Sixty-first place, Cleveland, Ohio. Stocks and dies for threading pipe, rods and bolts; hand, belt and motor driven machines for threading pipe, nipples, rods and bolts and for cutting of pipe and nipples.

W. R. Ostrander & Company, 371 Broadway, New York. Sockets, annunciators, bells, buzzers, pushes, shades, letter boxes, speaking tubes and whistles, fire alarms, burglar alarms, tank alarms and outlet boxes; battery and combination switches; strap key and push signalling systems complete for public, parochial and private school use; signal systems complete for alternating current, primary or secondary circuits. Jobbers of batteries, conduit, all kinds of electrical novelties, etc. Cable address, "Wroco," New York. Codes, Western Union, A B C Fifth edition.

Oswego Machine Works, Oswego, N. Y. New York office, 2720 Grand Central Terminal. Cutting machines exclusively: "Oswego" paper cutting machines, printers' cutters, guillotines, die cutting presses, cloth and sample cutting machines, Brown and Carver cutters for printers, bookbinders, lithographers, paper mills, box makers, textile manufacturers, etc. Foreign agents: The Canadian-American Machinery Co., London, England; Aktiebolaget Gumaelius & Komp, Stockholm, Sweden; F. L. Bie, Copenhagen, Denmark; Hansen & Skotvedt, Christiania, Norway; Richard Gans, Madrid, Spain; B. Delaye & M. Blondet, Lyons, France; National Paper and Type Co., Mexico City, Mexico, Buenos Aires, Argentina, and Havana, Cuba; Toronto Type Foundry Co., Ltd., Toronto, Canada. Cable address, "Gray," Oswego. Codes, Western Union Universal edition and A B C Fifth edition.

Otis Elevator Company, Eleventh avenue and Twenty-sixth street, New York. Passenger and freight elevators of all types; electric and steam furnace hoists, skip hoists, passenger escalators, incline freight elevators, gravity spiral conveyors, handpower freight elevators, etc. Foreign agents: Otis Elevator Co., Buenos Aires, Argentina; Mexico City, Mexico; Copenhagen, Denmark; Petrograd, Russia, and Montevideo, Uruguay; Otis-Fenson Elevator Co., Ltd., Toronto, Canada; Von Hamm-Young Co., Ltd., Honolulu, Hawaii; Fred Stieltjes & Co., Amsterdam, Holland; American Trading Co., Tokio, Japan; Frank L. Strong Machinery Co., Manila, Philippine Islands; Spencer & Waters, Santiago, Chile; G. S. Jensen, Shanghai, China; Zaldo & Martinez, Havana, Cuba; Ateliers Otis-Pifre, Paris, France, and Madrid, Spain; Otis Aufzugswerke, Zurich, Switzerland; Waygood-Otis, Ltd., London, England; Standard-Waygood Hercules, Ltd., Sydney, Australia, and Auckland, New Zealand; Waygood-Lifts (South Africa), Ltd., Johannesburg, South Africa; Turner Hoare & Co., Bombay, India; Middletown Car Co., Rio de Janeiro, Brazil; J. H. Cerecedo, San Juan, Porto Rico. Cable address, "Lyndentree," New York. Codes, A B C Fourth, Fifth and Five Letter editions, Lieber's Five Letter edition, Western Union, A1 and General.

The Otis Steel Company, Ltd., Cleveland, Ohio. Steel plates, steel castings and steel forgings. Cable address, "Steelyard," Cleveland. Code, Moreing & McCutcheon.

Owosso Manufacturing Company. Owosso, Mich. Screen doors and windows, K. D. frames, window ventilators, folding crates and egg carriers, snow shovels.

Pabst Brewing Company, 917 Chestnut street, Milwaukee, Wis. Brewing and malting.

Pacific American Fisheries, South Bellingham, Wash. Cans and canned salmon.

Pacific Coast Borax Company, 100 William street, New York. Borax, boric acid, borax glass, borax soap, borax soap chips, borate of manganese, ammonium borate, anhydrous boric acid. Cable address, "Boracic," New York. Code, Western Union.

Pacific Metal Works, 153 First street, San Francisco, Cal. Babbitt metal, type metals, solder, ingot casting brass and copper, battery zincs, etc. Jobbers of sheet and rolled copper, copper rods, tubing, etc., pig tin and lead, zinc, antimony. Cable address, "Pacmet," San Francisco. Codes, A B C Fifth edition, Western Union.

Pacific Mills, 70 Kilby street, Boston, Mass. Prints, fancy cottons and delaines.

Pacific Sewer Pipe Company, 825 East Seventh street, Los Angeles, Cal. Vitrified salt glazed sewer pipe and conduit; vitrified segment blocks; terra cotta flue lining and chimney pipe; fire brick; drain tile; pressed brick; glazed and enameled brick; white glazed stoneware.

Pacific States Lumber Company, 822 Tacoma building, Tacoma, Wash. Shingles, lath, cedar poles, piling and fir, western hemlock, spruce and red cedar lumber.

Package Machinery Company, 168 Birnie avenue, Springfield, Mass. New York office, 30 Church street. Automatic wrapping machinery. Sole agents for The F. B. Redington Co., manufacturing machines. Foreign agents, W. H. Beers & Son, Imperial House, Kingsway, London, England.

Packard Motor Car Company, Detroit, Mich. Motor carriages and motor trucks. Foreign agents: John M. Larsen, Copenhagen, Denmark; Parsons Hardware Co., Manila, P. I.; Gaston, Williams & Wigmore, Inc., London, Paris and Petrograd; Fujiwara & Co., Tokio, Japan; H. S. Honigsberg & Co., Shanghai, China; Primo Danioni, San Salvador; Santiago A. Panzardi, San Juan, Porto Rico; Pekin Motor Co., Pekin, China; Antonio Morales, Madrid, Spain. Cable address, "Packmotor," Detroit. Codes, Western Union and A B C.

The Packard Piano Company, Fort Wayne, Ind. Packard pianos and organs. Cable address, "Packard," Fort Wayne. Code, private.

M. A. Packard Company, Brockton, Mass. Men's fine shoes. Cable address, "Mapco," Brockton.

Paddock Cork Company, 1215 DeKalb avenue, Brooklyn, N. Y. Corks and cork specialties of all descriptions.

The J. H. Paddock Company, 219 Thirty-sixth street, Brooklyn, N. Y. Corks and cork specialties.

Paepcke Leicht Lumber Company, 111 West Washington street, Chicago, Ill. Southern hardwood lumber, specializing in sap gum, red gum, white oak, red oak, cottonwood, etc. Cable address, "Paepcke," Chicago. Codes, Universal, A B C Fifth edition and Western Union.

Page Belting Company, Concord, N. H. New York office, 152 Chambers street. Leather belting, flat, round and link; strapping of all kinds; leather fillets for pattern makers' use; halters; pump leathers, valve leathers, hydraulic leathers, U packing leathers, etc.; welting; leather specialties of various kinds. Cable address, "Page," Concord, N. H. Code, Western Union.

George G. Page Box Company, 1 Hampshire street, Cambridge, Mass. Bottle racks and boxes; locked corner, packing, corrugated fibre and wooden boxes; corrugated paper; corrugated paper cartons; box shooks; printers on wood.

Paige-Detroit Motor Car Company, Fort and McKinstry streets, Detroit, Mich. Pleasure automobiles. Cable address, "Pademoco," Detroit. Codes, A B C Fifth edition, Western Union and Lieber's.

Paine Furniture Company, 81 Arlington street, Boston, Mass. Furniture.

Palmer-Bee Company, 2778 East Grand boulevard, Detroit, Mich. Labor saving devices consisting principally of conveyors for the assembly of manufactured products, such as automoblies and accessories, stoves and furniture; merchandise conveyors in manufacturing plants and warehouses, coal conveyors, "Palmer-Bee" chain hoists, etc. Jobbers of Universal Giant transmission line, Hyatt roller bearings, American steel pulleys, limestone wood split pulleys, Richard's trolley track, Alexander leather belt, Goodyear rubber belt, Gandy canvas belt, Yale & Towne hoists and Round's hoists.

Palmer & Parker Company, 103 Medford street, Boston, Mass. Veneers, all kinds, both foreign and domestic; lumber from mahogany and all kinds of foreign timber. Cable address, "Mahogany," Boston. Codes, A B C Fifth edition and Western Union.

The I. E. Palmer Company, Middletown, Conn. Export office, 334 Fourth avenue, New York. Hammocks, couch hammocks, hammock frames; bed canopies, canopy frames and fixtures; mosquito and window screen nettings, crinoline linings; fish nettings; horse nettings; sheer and Swiss finishing. Foreign agents: A. H. Selwyn, Ltd., 8 Lawrence lane, Cheapside, London, E. C., England; R. N. Scott & Co., 128 Southam street, Montreal, Canada.

The Palmers & DeMooy Foundry Company, Cleveland, Ohio. Light iron castings.

The Paraffine Paint Company, 34 First street, San Francisco, Cal. Preservative paints, prepared roofings, sheathing and insulating papers, deadening and saturated felts; "Floatine" asphalt. Cable address, "Pabco," San Francisco. Codes, Lieber's, Western Union and A B C Fifth edition.

The Paragon Refining Company, Toledo, Ohio. Red and pale oils, burning oils, gas oils, extra residuum, asphalt flux oil, petroleum coke, crude yellow scale wax, cylinder stock and pitch made from sludge acid. Cable address, "Paragoledo," Toledo. Codes, A B C Fourth edition, Western Union and Postal Telegraph.

Paramount Knitting Company, 337 West Madison street, Chicago, Ill. Export agents, Muller Export Co., 303 Transportation building, Chicago, Ill. New York office, 377 Broadway. Men's and children's seamless hosiery.

C. Pardee Works, Perth Amboy, N. J. Steel ingots, billets, merchant and concrete bars; shafting, angles, floor and wall tile.

Parish Manufacturing Company, Seventh and Chestnut streets, Reading, Pa. Pressed steel frames and other pressed steel work for automobiles. Cable address, "Parish," Reading. Code, Western Union.

The Parish & Bingham Company, 10615 Madison avenue, Cleveland, Ohio. Automobile frames, miscellaneous steel stampings.

Parke, Davis & Company, 743 East Atwater street, Detroit, Mich. Export office, corner Hudson and Vestry streets, New York. Pharmaceutical, chemical and biological products. Foreign branches: Walker road and Sandwich street, Walkerville, Ontario; 118 St. Paul street, Montreal, Canada; 54 Beak street, Regent street, London, W., England; 125 York street, Sydney, Australia; 70 Hornby road, Bombay, India; Petrograd, Russia; Havana, Cuba; 639 Calle Maipu, Buenos Aires, Argentina. Cable address: for United States, "Parkedave"; for foreign countries, "Cascara". Codes, A B C, Lieber's and Marconi.

Parker Hosiery Mill and Dye Works, Inc., Ninth avenue and High street, Plymouth, Va. Children's and misses' cotton hosiery, paper boxes, public dyeing.

Parker, Stearns & Company, 288 Sheffield avenue, Brooklyn, N. Y. Druggists' and surgical rubber sundries, bathing caps, automobile horn bulbs, wheel grips and gas lamp tubing, liquid pistols and novelties, dental dam. Cable address, "Alphapark," New York. Code, Lieber's.

The Charles Parker Company, Meriden, Conn. Export office, 32 Warren street, New York. Vises: anvil, bench, coachmakers', jewelers', machinists', pipe, combination pipe, saw filers', tool makers', woodworkers'; wood screws in steel, brass and bronze; coffee mills; tinned iron spoons; gas and electric portables; lavatory specialties, piano benches and stools; "Parker" shot guns; "Parker" alarm clocks. Cable address, "Charlesparker," Meriden. Codes, Western Union and Lieber's.

Joseph Parker & Son Company, Whalley avenue near Dayton street, New Haven, Conn. Blotting and stereotyping papers.

E. S. Parkhurst & Company, Inc., Gloversville, N. Y. Export office, 260 West Broadway, New York. Wool and hair. Cable address, "Esparco," New York. Codes, Lieber's and A B C Fifth edition.

The G. M. Parks Company, 970 Main street, Fitchburg, Mass. Humidifiers. Jobbers of pipe, fittings, valves, mill supplies. Foreign agents, Ingersoll-Rand Co., 165 Queen Victoria street, London, England.

Parry Manufacturing Company, Indianapolis, Ind. New York office, Chas F. Schmitt, manager, 18 Broadway. Commercial bodies for Ford and Maxwell automobiles, truck bodies, trailers, pleasure bodies for automobiles; horse drawn vehicles, such as buggies, wagons, etc.

Parsons Paper Company, Sargent street, Holyoke, Mass. Export agents, United States Paper Export Association, 30 Broad street, New York. Bond, linen and ledger paper. Cable address, "Parpaco," Holyoke. Code, Western Union.

Pasadena Ice Company, 990 South Broadway, Pasadena, Cal. Ice and cold storage.

The Pass-Kremer Hatband Manufacturing Company, Paterson, N. J. New York agents, Pass-Washburn, 15 Waverly place. Hatbands.

Pass & Seymour, Inc., Syracuse, N. Y. Electric light accessories, lamp holders, sockets, switches, "Dim-a-lites." Cable address, "Passmour," Syracuse. All general codes.

Passaic Metal Ware Company, 217 Brook avenue, Passaic, N. J. Decorated and plain metal cans and boxes; metal advertising displays and "Stelad" signs.

Passaic Print Works, Passaic, N. J. New York office, 320 Broadway. Printers of cotton fabrics for the converting and manufacturing trade. Cable address, "Edpoor," New York.

Patchogue Manufacturing Company, 1115 Broadway, New York. Nottingham lace curtains, curtain nets, scarfs, shams, bedspreads, and all classes of goods made on Nottingham machines.

The Pathfinder Company, Indianapolis, Ind. Automobiles, 12 cylinder. Foreign agents: J. F. Berndes & Co., Havana, Cuba; Clarkson Motors, Ltd., Wellington, New Zealand; Firma Grund & Co., Utrecht, Holland; Lariviere, Inc., Montreal, Canada; Mammen & Drescher, Copenhagen, Denmark; Nielson & Biornstad, Christiana, Norway; Pathfinder Exporting Co., Delft, Holland; Alozo-Rierra & Co., San Juan, Porto Rico; general agent, Manuel Alvarez & Co., 160 Water street, New York; Spanish exporter, C. A. Saitta, 8 Bridge street, New York; Russian exporter, Claude M. Nankivel, 120 Broadway, New York. Cable address, "Pathfinder," Indianapolis. Code, Western Union.

F. A. Patrick & Company, Duluth, Minn. Export office, Room 456, 200 Fifth avenue, New York. Buying office, 43 Leonard street, New York. Heavy woolen cloths and blankets, sweaters, heavy woolen socks, mackinaws, overcoats, steamer rugs, automobile robes, flannel shirts, soft cotton shirts, overalls. Jobbers of all articles for wholesale dry goods stocks. Cable address, "Patrick," Duluth. Code, Western Union.

J. E. Patterson & Company, Wilkes-Barre, Pa. Doors, sash, blinds and interior finish.

John Patterson & Company, 10 East Thirty-third street, New York. Clothing tailors, uniforms, liveries, sporting goods.

Patton Paint Company, Milwaukee, Wis. Export office, Woolworth building. New York. Prepared liquid paints, paste paints, colors ground in oil, colors in japan, zinc in oil, lead in oil, dry colors, enamels, wood stains, varnishes, fireproof paint, metal polish, furniture polish, floor wax, arsenate of lead, turpentine substitutes, primers, tector. Jobbers of linseed oil and turpentine. Cable address, "Sunproof," New York. Codes, Western Union, A B C Fifth edition, Lieber's and private.

Peabody School Furniture Company, North Manchester, Ind. School furniture, opera and folding chairs. Cable address, "Peabody," North Manchester, Ind. Code, Western Union.

Peace Dale Manufacturing Company, Peace Dale, R. I. New York office, 334 Fourth avenue. Serges, fancy worsteds, woolens, uniform cloths, steamer and automobile rugs, overcoatings, cloakings. Foreign agents, MacFarlane & Drew, Coristine building, Montreal, Canada. Cable address, "Dalepeace," Peace Dale. Code, Western Union.

Pearce Manufacturing Company, 933 Penn avenue, Pittsburgh, Pa. Woolen goods.

Joseph T. Pearson & Sons Company, 1825 East Boston avenue, Philadelphia, Pa. Packing boxes, lapping boards and hosiery boards.

Peaslee-Gaulbert Company, 411 West Main street, Louisville, Ky. Paints and varnishes. Jobbers of window glass, plate glass, brushes, bottles, chemicals and oils.

F. H. Peavey & Company, Minneapolis, Minn. Grain.

The Peck Brothers & Company, 27 Chestnut street, New Haven, Conn. New York office, 219 West Forty-ninth street. Brass goods for all manner of plumbing supplies. Jobbers of all lines of plumbing goods.

Pecora Paint Company, Third and Venango streets, Philadelphia, Pa. Calking compound; roofing, metal and asbestos cements; mortar colors; glazing compound; enamels of all kinds for metals and wood; metal, concrete, wall finishing and wood paints, priming paint; putty for high temperatures, metal sash, etc.; cement and mortar stains. Foreign agents, Lambert & Co., Rotterdam, Holland. Cable address, "Pecora," Philadelphia. Code, A B C Fourth edition.

The Peebles Paving Brick Company, Portsmouth, Ohio. Vitrified paving blocks.

Peerless Kid Company, 1037 North Second street, Camden, N. J. Glazed kid and cabretta, mat kid and cabretta in fancy colors.

The Peerless Motor Car Company, Quincy avenue and East Ninety-third street, Cleveland, Ohio. New York office, Van Cortlandt Vehicle Corporation, Sixty-third street and Broadway. Motor cars and motor trucks. Foreign agents: Gaston, Williams & Wigmore, 140 Broadway, New York, for Great Britain, France, Italy, Spain, Russia, etc. Cable address, "Peerless," Cleveland. Codes, Western Union and A B C.

Peerless Wire Fence Company, Adrian, Mich. Fence, gates, trellis wire, flower guard and lawn fence and tools.

Peet Brothers Manufacturing Company, Kansas City, Mo. Export office, San Francisco, Cal. Laundry and toilet soap, washing powders, glycerine chemically pure and dynamite grade. Foreign agents: Fearon Daniel & Co., Shanghai and Tien-tsin, and Hong-Kong Mercantile Company, Hong-Kong, China; Henry W. Peabody & Co., Manila, P. I. Cable address, "Peet," Kansas City. Codes, A B C and Lieber's.

Pekin Cooperage Company, Pekin, Ill. Oil, provision, alcohol, spirit and whiskey barrels; staves and headings for same; also, wine, oleo and oil barrels in shook form for export. Cable address, "Herget," Pekin. Codes, Western Union and A B C Fifth edition.

Pelgram & Meyer, 395 Fourth avenue, New York. Ribbons, velvet ribbons and silks.

The Pelton Water Wheel Company, Nineteenth and Harrison streets, San Francisco, Cal. New York office, 90 West street. "Pelton" water wheels, "Pelton-Francis" water turbines, hydraulic valves, steel riveted pipe, "Pelton" centrifugal pumps, "Pelton" water wheel governors. Cable addresses: "Pelton," San Francisco; "Sanserit," New York. Codes, A B C, New Business, Western Union, Lieber's and private.

Penberthy Injector Company, 340 Holden avenue, Detroit, Mich. Injectors, ejectors, cellar drainers, valves, water gauges, oil and grease cups, carburetors, air cocks, priming cups. Cable address, "Penberthy," Detroit.

Y. Pendas & Alvarez, 801 Third avenue, New York. Clear Havana cigars. Cable address, "Pendas," New York.

Pendleton Woolen Mills, Inc., Pendleton, Ore. Export office, 518 Market street, San Francisco, Cal. Blankets, special designs and colorings for Indian trade; blankets, special designs and colorings for China trade; domestic and army blankets; bed robes, mackinaws, bath robes; steamer shawls and automobile robes.

Penick & Ford, Ltd., Whitney Central building, New Orleans, La. New York office, 17 Battery place. Molasses and syrups, tin cans and cooperage.

Peninsula Shipbuilding Company, foot of McKenna avenue, Portland, Ore. Wooden ships. Cable address, "Penship," Portland, Ore. Codes, A B C, Scott's and Western Union .

Peninsular Milled Screw Company, 1090 Lafayette avenue, Detroit, Mich. Screw machine products.

Penn Hardware Company, Reading, Pa. New York office, 117 Chambers street. Locks and builders' hardware, tobacco cutters, apple parers, flag and Christmas tree holders. Jobbers of Bommer and Rixson goods. Foreign agents: Richardson, Orr & Co., 325 Flinders lane, Melbourne, Australia.

Penn Seaboard Steel Corporation, 132 South Fifteenth street, Philadelphia, Pa. New York office, 111 Broadway. Open hearth steel castings, anchors and ingots.

Pennsylvania Engineering Works, New Castle, Pa. Blast furnace and steel plant construction, metal mixers, steel converters, ladles, ladle cars, open hearth furnaces.

Pennsylvania Flexible Metallic Tubing Company, Broad and Race streets, Philadelphia, Pa. Flexible metallic tubing.

Pennsylvania Rubber Company, Jeannette, Pa. Export office, 1889 Broadway, New York. Automobile, motorcycle and bicycle tires; tennis balls and rubber retained clocks. Foreign agents: Muller Maclean & Co., 11 Broadway, New York; Pan American Trading Company, 116 Broad

street, New York; W. J. Kingsland, Inc., 24 State street, New York; W. A. Torbert, Ancon, Canal Zone; The G. H. Pownall Rubber Co., Wanganui, New Zealand; Squires-Bingham Co., Manila, P. I.; McIntosh & Sons, Ltd., Sydney, Australia; Elias Corneliussen, Christiania, Norway. Cable address, "Pennrubber," New York.

Pennsylvania Salt Manufacturing Company, 115 Chestnut street, Philadelphia, Pa. Fuming sulphuric acid, oil of vitriol, sulphuric acid, acetic acid, muriatic acid, mixed acid, nitric acid, lump alum, ground alum, powdered alum, burnt alum, filter alum, alumina, sulphate of alumina, Natrona porous alum, Lewis' 98 per cent powdered and perfumed lye, saponifier, Greenwich lye, American lye, Greenwich potash, American potash, ball potash, purple ore, red ore, bicarbonate of soda, sal soda, sulphate of soda, caustic soda, chloride of lime, bleaching powder, arsenic, copperas, salt, sulphide of iron, chloride of zinc, chloride of calcium, soda ash, sulphate of lead; sole importers of Greenland kryolith, refiners of copper, silver and gold. Cable address, "Pennsalt," Philadelphia. Code, A B C.

Pennsylvania Textile Company, 25 Madison avenue, New York. Dress silks, tie silks, shirtings.

Pennsylvania Wire Glass Company, 915 Pennsylvania building, Philadelphia, Pa. Export office, 25 Broad street, New York. New York office, 20 West Thirty-fourth street. Fireproof wire glass, plain and figured and "Aqueduct" wire glass which prevents dripping from condensation. Cable address, "Wireglass," Philadelphia.

Penobscot Chemical Fibre Company, 49 Federal street, Boston, Mass. Bleached sulphite pulp, bleached soda pulp. Cable address, "Penobscot," Boston. Codes, Western Union, Lieber's and A B C.

Pensacola Tar and Turpentine Company, Gull Point, Fla. Pine tar, pine tar oils, pine oils, wood turpentine, wood creosote oils, charcoal and pitch. Cable address, "Pentarco," Pensacola. Code, A B C Fifth edition.

The Periodical Press, Inc., 76 Lafayette street, New York. Printers and binders of illustrated catalogues and periodicals in large editions. Equipped with rotary presses for one, two and four color work.

The Perkins-Campbell Company, 622 Broadway, Cincinnati, Ohio. New York office, 89 Chambers street. Harness and strap work for horses, mules and ponies; horse collars, riding saddles, sweat pads for horse collars, fly nets for horses. Cable address, "Perkins," Cincinnati. Codes, Western Union and A B C Fifth edition.

The Perry-Fay Company, Elyria, Ohio. All kinds of screw machine products, such as bolts, screws, nuts, push rods, piston pins, valve lifters and rollers for automobile use, etc.

Persian Rug Manufactory, 2 West Forty-fifth street, New York. Chenille axminster rugs made to order. Wholesalers of English handtuft, French Savonnerie and Aubusson rugs made to order. Cable address, "Perasiatic," New York. Codes, A B C Fifth edition and Lieber's.

William Peterman, Inc., 200 Fifth avenue, New York. Roach food, kills roaches, water bugs and beetles; discovery liquid, kills bed bugs and their eggs; ant food, kills ants and fleas; moth food, protects clothing, etc.; "Homol," lubricant and polish; "Prosan," disinfectant and antiseptic. All sold under the trade name "Peterman's."

The Peters Cartridge Company, Cincinnati, Ohio. Export office, 60 Warren street, New York. Small arms ammunition, loaded paper shotgun shells, metallic cartridges. Cable address, "Peteridge," New York and Cincinnati. Codes, Western Union and A B C Fifth edition.

The Petroleum Iron Works Company of Ohio, Sharon, Pa. New York office, 50 Church street. Steel tanks for oil storage, gasoline, naphtha, benzine, lubricating oils and similar hydro-carbons, etc., malt, brine, alkali, caustic soda, acid, water, turpentine, molasses, grain, tar, asphalt, hydro-pneumatic pressure, filter, car, bleaching, distillate, drip, compressed air storage, evaporating, cooling, settling, gauging, etc.; oil refinery equipment; oil condensers; agitators; stills of all descriptions; stand pipes; water towers; smoke stacks; penstocks; flumes; riveted steel pipe; galvanizing kettles; hot metal ladles; annealing boxes; condenser boxes; pulp digestors; creosoting cylinders; coal bins; breaching for boilers; scrap and dredge buckets; lime kilns; ore storage bins; all kinds of steel plate construction for the petroleum, gas, chemical and allied industries, also, for the iron and steel, municipal, railway and similar industries. Cable address, "Petiron," Sharon. Code, Western Union.

The Pettebone-Cataract Paper Company, Niagara Falls, N. Y. Printing paper. Cable address, "Pettebone," Niagara Falls. Codes, Adams' Cable Codex and Western Union.

Pettibone, Mulliken Company, 725 Marquette building, Chicago, Ill. Frogs, guard rails, switches, switch stands and crossings, also, manganese castings. Cable address, "Trackjack," Chicago.

Pfister & Vogel Leather Company, 447 Virginia street, Milwaukee, Wis. New York office, Cliff and Ferry streets. Chrome calf skins, kips, side upper leathers; combination tanned side upper leathers; patent leather in horse and sides; glove leather, horse; glazed kid; sole leather, hemlock and union tanned. Foreign branches: 63 Abingdon street, Northampton, England; Via Bossi 2, Milan, Italy. Foreign agents: A. H. Berggren, Stora Vattugaten 7, Stockholm, Sweden; Moritz Kahn, Stockerstrasse 10, Zurich, Switzerland. Cable address, "Pevee," Milwaukee. Codes, Western Union, Lieber's, A B C Fourth and Fifth editions.

Charles Pfizer & Company, Inc., 81 Maiden lane, New York. Works at Brooklyn, N. Y. Medicinal chemicals. Cable address, "Pfizer," New York. Codes, A B C and others.

The Pfleghar Hardware Specialty Company, 162 Winchester avenue, New Haven, Conn. Hardware.

Phelps, Dodge & Company, Inc., 99 John street, New York. Refined electrolytic and casting copper only. Foreign branch, 16 Leadenhall street, London, E. C., England. Cable addresses, "Itinerant," New York or London. Code, A B C.

Phenix Tube Company, 182 North Eleventh street, Brooklyn, N. Y. Iron lined tubes of brass, bronze and aluminum; hot and cold rolled steel tubes, welded, brazed and butted.

Philadelphia Dye Works (Walter E. Knipe & Sons), southwest corner of Hancock and Berks streets, Philadelphia, Pa. Dyers.

Philadelphia Gear Works, 1120 Vine street, Philadelphia, Pa. Gear wheels and gear cutting. Cable address, "Philagear," Philadelphia. Code, Western Union.

The Philadelphia Lawn Mower Company, Thirty-first and Chestnut streets, Philadelphia, Pa. Highest grade hand, horse and motor lawn mowers. Cable address, "Philamower," Philadelphia. Codes, Western Union and Harvey's.

Philadelphia Quartz Company, 121 South Third street, Philadelphia, Pa. Silicate of soda in its various forms; liquid and solid grades for soap making a specialty. Cable address, "Philquartz," Philadelphia. Code, A B C Fifth Improved edition.

The Philadelphia Rubber Works Company, 1305 Land Title building, Philadelphia, Pa. Export office, Philadelphia Rubber Works Co., Alkali Division, Akron, Ohio. New York office, 52 Vanderbilt avenue. Reclaimed rubber. Foreign branch, 29 Rue des Petites Ecuries, Paris, France. Cable addresses: "Kearsley," Philadelphia; "Kali," Akron; "Akphil," New York; "Cagehring," Paris. Code, Western Union.

The Philadelphia Textile Machinery Company, Sixth street and Tabor road, Philadelphia, Pa. Textile machinery.

Phillips Insulated Wire Company, Pawtucket, R. I. Bare and insulated wires and cables. European agents, Rowland & Co., 123 Cannon street, London, E. C., England. Cable address, "Okay," Pawtucket. Codes, Western Union, private.

Phillips Mine and Mill Supply Company, 2227 Jane street, Pittsburgh, Pa. Mine cars, mine car wheels and trucks, gravity bar screens and screening equipments for bituminous coal, coke oven charging larries, Phillips automatic cross-over car dumps and Phillips automatic push-back car dump. Cable address, "Cars," Pittsburgh. Code, Western Union.

Phillips & Buttorff Manufacturing Company, Nashville, Tenn. Stoves, ranges and heaters for burning wood, coal or coke; hotel kitchen equipment, large and heavy cooking ranges for hotels, schools, hospitals, construction camps, etc.; charcoal cookers; sad irons; cast iron hollow ware, ovens, kettles, etc.; canning stoves and equipment; pieced tinware. Jobbers of enameled, galvanized and wooden ware; glassware; china; crockery; general house furnishing goods. Cable address, "Buttorff," Nashville. Code, Western Union.

The Charles H. Phillips Chemical Company, 128 Pearl street, New York. Factory at Glenbrook, Conn. Proprietary preparations, cocoas and cocoa butter. London office, 14 Henrietta street, Covent Garden, W. C.

Phoenix Chair Company, Sheboygan, Wis. Export office, Grand Central Palace, New York. All kinds and grades of chairs and rockers, wooden and upholstered goods; all kinds of bent wood furniture. Codes, A B C Fifth edition and Western Union.

Phoenix Furniture Company, Grand Rapids, Mich. High grade period furniture for the bed room, dining room and library.

The Phoenix Glass Company, Pittsburgh, Pa. New York office, 230 Fifth avenue. Illuminating glassware, electric and gas reading lamps.

Phoenix Horse Shoe Company, 209 South La Salle street, Chicago, Ill. New York office, 52 Vanderbilt avenue. Horse and mule shoes and bulldog toe calks.

Phoenix Knitting Works, 208 Broadway, Milwaukee, Wis. New York office, 329 Fourth avenue. Men's, women's and children's silk, wool and cotton hosiery; infants' undearwear; knit scarfs, caps, etc. Cable address, "Muffler," Milwaukee. Codes, Lieber's, A B C and Western Union.

Phoenix Silk Manufacturing Company, 334 Fourth avenue, New York. Dress silks and linings, tie silks, men's linings, ribbons.

The Phosphor-Bronze Smelting Company, Ltd., 2200 Washington avenue, Philadelphia, Pa. "Elephant Brand" phosphor-bronze and "Delta" metal. Cable address, "Luders," Philadelphia. Codes, Lieber's and Western Union.

H. Picard & Company, 28 Washington place, New York. Hatters' furs.

Pickands, Mather & Company, Western Reserve Building, Cleveland, Ohio. Pig iron.

W. R. Pickering Lumber Company, Kansas City, Mo. Lumber: long leaf yellow pine and pitch pine. Cable address, "Pickering," Kansas City. Codes, Motek, Southard's and Telecode.

The Pierce-Arrow Car Company, 1695 Elmwood avenue, Buffalo, N. Y. Gasoline pleasure and commercial vehicles. Cable address, Piercarrow," Buffalo. Code, Lieber's.

The Pilling Brass Company, 480 Watertown avenue, Waterbury, Conn. Sheet brass, copper, German silver and phosphor bronze.

Pillsbury Flour Mills Company, Metropolitan Life building, Minneapolis, Minn. Wheat and rye flours, breakfast food, durum semolinas, health bran and mill feeds. Cable address, "Pillsbury," Minneapolis. Codes, Riverside, A B C Fifth edition and Lieber's.

Pioneer Paper Company, Inc., 247 South Los Angeles street, Los Angeles, Cal. "Pioneer" roofiings, insulating and building papers. Jobbers of wrapping paper of all kinds.

The Pioneer Pole and Shaft Company, Piqua, Ohio. Vehicle poles and shafts and carriage specialties.

Pioneer Suspender Company, 315 North Twelfth street, Philadelphia, Pa. New York office, 200 Fifth avenue. "Brighton" garters, "Pioneer" suspenders, "Pioneer" leather belts. Cable address, "Pionsuspen," Philadelphia. Code, A B C Fifth edition.

The Piqua Handle and Manufacturing Company, 1025 High street, Piqua, Ohio. New York office, 18 Broadway. Farming tool handles; malleable garden rakes; "Ole Olsen" lawn rakes; window pull-down poles; door stops; wooden door knobs; file handles, chisel handles both plain and leatherhead; soldering copper handles; mallets; special handles and turnings, etc. Cable address, "Quandle," Piqua. Codes, A B C Fourth edition, Western Union and private.

The Piqua Hosiery Company, Piqua, Ohio. New York office, 366 Broadway. Union suits.

The Piston Ring Company, Muskegon, Mich. Cast iron piston rings.

The Pitkin-Holdsworth Worsted Company, Highland avenue, Passaic, N. J. Worsted yarns.

Pittsburgh Brewing Company, 1619 Oliver building, Pittsburgh, Pa. Beer.

Pittsburgh Bridge and Iron Works, Rochester, Pa. New York office, 2 Rector street. Structural steel fabricators for buildings and bridges.

Pittsburgh Construction Company, 808 Diamond Bank building, Pittsburgh, Pa. General contractors.

Pittsburgh Crushed Steel Company, Sixty-first street and Allegheny Valley railroad, Pittsburgh, Pa. Diamond crushed steel and steel emery for polishing, rubbing, grinding and sawing granite, marble stone, onyx, brick, glass, metal, etc., angular grit, the metallic sand blast abrasive; "Resisto," a concrete hardener and facing. Cable address, "Stelemery," Pittsburgh. Codes, A B C Fourth and Fifth editions.

Pittsburgh-DesMoines Steel Company, Curry building, Fourth and Roth streets, Pittsburgh, Pa. Structural steel.

Pittsburgh Lamp, Brass and Glass Company, Pittsburgh, Pa. New York office, 35 West Twenty-third street. Electric, gas and oil glassware and lamps; electric and oil hanging fixtures; railroad and marine signal glassware; fire extinguishers; iron, bronze, brass and aluminum castings; sheet steel, iron, brass and aluminum stampings and spinnings.

Pittsburgh Malleable Iron Company, Thirty-fourth and Smallman streets, Pittsburgh, Pa. Malleable castings.

Pittsburgh Melting Company, Herr's Island, Pittsburgh, Pa. Tallow, tallow oil, oleo oil and beef cracklings.

Pittsburg Piping and Equipment Company, Thirty-fifth and Charlotte streets, Pittsburgh, Pa. Pipe bends, flanges and flanged fittings. Jobbers of valves and steam specialties.

Pittsburgh Plate Glass Company, 1618 Frick building, Pittsburgh, Pa. New York office, 62 Vandam street. Works at Creighton, Ford City and Charleroi, Pa.; Kokomo, Ind.; Crystal City, Mo. Plate glass, window glass, sheet glass and mirrors. Jobbers of window glass. Cable addresses, "Glasspit," Pittsburgh; "Pittsburco," New York.

Pittsburgh Screw & Bolt Company, Preble avenue, Pittsburgh, Pa. Bolts nuts, rivets, upset rods and finished screw machine work.

The Pittsburgh Shovel Company, 1832 Oliver building, Pittsburgh, Pa. New York agents, J. C. McCarty & Co., 29 Murray street. Shovels, spades and scoops. Cable address, "Pitshovel," Pittsburgh. Code, Western Union.

Pittsburgh Steel Company, Union Arcade, Pittsburgh, Pa. Export office, Equitable building, New York. "Pittsburgh Perfect" brand of bright wire: hard, soft, nail, staple, crimping, market and spoke; annealed wire: plain, market and baling; galvanized wire: plain, fence, market and barbing; fence and market varnished wire; bright and varnished wire for electric welding; chain, bolt and rivet wire; regular and special decimal wire; redrawing wire; galvanized telephone wire; galvanized hard spring coil fence wire; galvanized 2-strand twisted cable wire; straightened and cut wire; galvanized and painted barbed wire; wire nails: bright, galvanized, blued and cement coated; bright and galvanized fence staples; galvanized poultry netting staples; bale ties; steel hoops and bands; cotton ties; iron ore, pig iron, blooms, billets; wire rods; fabricated stock; poultry and lawn fencing. Jobbers of "Pittsburgh Perfect" and "Veribest" wire fence stretchers; "Smoothgrip" single wire stretchers and wire splicers. Cable address, "Pittsteel," Pittsburgh. Codes, A B C Fifth edition and Western Union.

Pittsburgh Valve, Foundry and Construction Company, Pittsburgh, Pa. New York office, 30 Church street. Valves and fittings (steam-water-hydraulic), pipe bends, pipe fabrication, piping contractors (general power house construction). Cable address, "Pittvalve," Pittsburgh. Code, Western Union Telegraphic.

The Pittsburgh and Ohio Mining Company, 758 Rockefeller building, Cleveland, Ohio. Coal and coke.

Thomas G. Plant Company, Bickford and Center streets, Boston, Mass. Export office, 125 Duane street, New York. "Queen Quality" shoes for women in medium and high grades. Foreign agents: Jaime Ramos, 395 Broadway, New York, for Mexico and Argentina; E. W. French, 73 Coleman street, London. E. C., England; C. Gourier, Issoudun (Indre), France; Skelton Frostick & Co., Christchurch, New Zealand; A. A. Heimsoth, Shanghai, China; Scaccabarozzi & Maran, Padova, Italy; Thomas Fenech & Co., Valletta. Malta; G. M. Scott, Box 654, Juneau, Alaska; E. J. Waagen Co., Christiania, Norway, for Norway, Denmark, Sweden and Finland; International Mfrs.' Sales Co., X. B. Kalamantiano, Moscow, Russia; Paul Dalton Edelstein, Johannesburg, South Africa, for South Africa and Rhodesia; C. M. Cotterman, Walk-Over Shoe Store, Manila, P. I. Cable address, "Plant," Boston. Codes, Western Union, A B C Fifth Improved edition and Lieber's Standard.

The Platt Brothers & Company, P. O. Box 1030 Waterbury, Conn. Rolled zinc in ribbons or strips, shoe lacing tips, eyelets.

Platt Iron Works, Dayton, Ohio. Steam pumps, power pumps, centrifugal pumps, turbine pumps, water wheels, feed water heaters, oil mill press room machinery. Cable address, "Stilwell," Dayton. Codes, Western Union, A B C Fifth and Fifth Improved editions.

D. S. Plumb, 73 Norfolk street, Newark, N. J. Clock work specialties; cometers for water, gas and electric meters; movements for steam gauges, pyrometers, etc.; motors for phonographs; spring motors for general purposes. Cable address, "Plumb," Newark. Code, Western Union.

Fayette R. Plumb, Inc., Bridesburg post office, Philadelphia, Pa. Hammers: hand, carpenters', machinists', engineers'; hatchets; adzes; axes: chopping and broad; sledges, mauls; wood choppers' wedges; picks, mattocks; blacksmiths' tools. Cable address, "Plumb," Philadelphia. Code, Western Union.

The Plume & Atwood Manufacturing Company, Waterbury, Conn. Export office, 30 East Forty-second street, New York. Kerosene burners, lamps and trimmings; copper rivets and burrs; brass butt hinges; brass and iron jack chain; brass safety chain and brass escutcheon pins; stamped shells and globe holders for gas and electric fixture manufacturers.

Pocahontas Fuel Company, 1 Broadway, New York. Export office, 117 Main street, Norfolk, Va. "Original Pocahontas" steam and bunker coal and coke. Cable address, "Pocahontas," New York. Codes, Scott's Tenth edition, A B C Fourth and Fifth Improved editions, Western Union, Lieber's and Watkins.

Polack Tyre and Rubber Company, 1876 Broadway, New York. Solid rubber tires for motor trucks. Foreign agents: Werner, Hilpert & Co., Rio de Janiero, Brazil; Montell & Co., Barcelona, Spain; Agencia Italiana Gomme Polack, Turin, Italy. Cable address, "Polackomp," New York. Codes, A B C Fifth edition and Western Union.

The Pollak Steel Company, Cincinnati, Ohio. Export office, 120 Broadway, New York. Marine and railroad steel forgings, locomotive and car axles, piston rods, boat and engine shafts. Cable address, "Pollak," Cincinnati. Code, A B C.

Polson Logging Company, Hoquiam, Wash. Spruce aeroplane stock, cedar lumber of all kinds including siding and finished lumber, cedar shingles, fir lumber for ships and other long timbers.

The Pond Lily Company, 1475 Whally avenue, New Haven, Conn. Dyers of cotton piece goods.

Poole Brothers, 81 Harrison street, Chicago, Ill. Printers of illustrated catalogues in all languages, of illustrated travel booklets, of folders and time table folders; engravers of government and railway maps; manufacturers of railway tickets and ticket cases. Jobbers of railway ticket daters, conductors' punches, and light station supplies. Cable address, "Poolbros," Chicago. Code, Western Union.

H. K. Porter, 6 Ashland street, Everett, Mass. Bolt and special clippers, electric wire and storage battery cutters. Cable address, "Boltclip," Everett, Mass. Code, Western Union.

H. K. Porter Company, 1208 Union Bank building, Pittsburgh, Pa. Export agents, Wonham, Bates & Goode, Inc., 17 Battery place, New York. Locomotives: steam, stored steam fireless and compressed air. Cable address, "Porter," Pittsburgh. Codes, A1, A B C Fourth and Fifth editions, Western Union, Business and Lieber's.

The Portland Cordage Company, 494 Northrup street, Portland, Ore. Manila and sisal ropes, marline, hambroline, rattine, spun yarn, etc., harvesting twines. Foreign agent, H. L. Heath, Manila, P. I. Cable address, "Ayer," Portland, Ore. Codes, Western Union, A B C, International Cable Directory Five Letter edition.

The Portland Flouring Mills Company, Wilcox building, Portland, Ore. New York office, 50 Broad street. Wheat flour. Jobbers of wheat, oats and barley. Foreign agents: Henry Williams & Co., Liverpool, England; Quan Kai & Co., Hongkong, China. Cable address, "Wilcox," Portland, Ore. Codes, A B C Fifth edition, A1, Western Union, Lieber's and private.

Portland Iron Works, Fourteenth and Northrup streets, Portland, Ore. Saw mill machinery.

---

to manufacturers whose names are given in this book.

Portland Lumber Company, Portland, Ore. Douglas fir lumber. Cable address, "Lumco," Portland, Ore. Codes, Western Union, Al and A B C Fifth edition.

Portland Woolen Mills, Chamber of Commerce building, Portland, Ore. Woolen blankets, flannels, cassimeres, metons, mackinaws, robes.

The Portsmouth Stove and Range Company, Portsmouth, Ohio. Stoves and ranges for cooking and heating for coal, wood and gas; also, light castings.

Positive Lock Washer Company, Avenue A and Miller street, Newark, N. J. Lock washers. Cable address, "Amross," Newark.

Post & Sheldon Corporation, 345 Fourth avenue, New York. Silk dress goods.

Ph. H. Postel Milling Company, Mascoutah, Ill. Flour, meal and mill feed. Cable address, "Postlaw," Mascoutah. Code, Riverside.

Postum Cereal Company, Battle Creek, Mich. Export office also at 6 Harrison street, New York. "Postum" cereal. "Instant Postum", "Grape-Nuts", "Post Toasties". Cable address, "Postum," Battle Creek. Codes, A B C Fourth and Fifth editions, Western Union and Gurner's Cipher.

Potlatch Lumber Company, Potlatch, Idaho. Lumber: white pine, western (yellow) pine, Douglas fir, white fur, larch, cedar, spruce and hemlock; lath and ties.

Potter & Johnston Machine Company, 1027 Newport avenue, Pawtucket, R. I. Machine tools, automatic chucking and turning machines, automatic milling machines, screw shaving machines, universal shaping machines, automatic lever chucks. Foreign agents: Potter & Johnston Machine Co., J. Ryan, manager, 68 Avenue de la Grande Armee, Paris, France; Charles Churchill & Co., Ltd., London, Manchester, Newcastle and Birmingham, England, and Glasgow, Scotland; Ercole Vaghi, Milan, Italy. Cable address, "Arran," Pawtucket. Codes, Lieber's, Western Union, Business and private.

Fred J. Potter & Company, New Brunswick, N. J. Spring beard needles and sheet metal parts for knitting machines. Cable address, "Pottco," New Brunswick. Code, A B C Fifth edition.

Thomas Potter, Sons & Company, Inc., North Penn Junction, Philadelphia, Pa. Export office, 25 Madison avenue, New York. Floor, table, stair, shelf and enamel oilcloths; plain, printed and inlaid linoleum; cork carpet. Cable address, "Potters," Philadelphia. Codes, Lieber's and Western Union.

Poughkeepsie Foundry and Machine Company, Poughkeepsie, N. Y. Iron machinery castings, jobbing machine shop.

Pouvailsmith Corporation, Smith street, Poughkeepsie, N. Y. New York office, care of E-L Specialty Sales Co., Inc., 500 Fifth avenue. "Povasco" steering wheels, "Povasco" automobile radiator filler caps, miscellaneous articles moulded from "Bakelite" and "Condensite".

The Powell Knitting Company, Twenty-eighth and Parrish streets, Philadelphia, Pa. New York office, 346 Broadway. Seamless hosiery. Foreign agents: T. H. Faulkner & Co., Ltd., 32 Gresham street, London, E C., England; Jas. F. Dalton, 2 Talbot street, Dublin, Ireland.

The William Powell Company, 2521 Spring Grove avenue, Cincinnati, Ohio. Valves: air, gate and lock, needle point, safety, gas, oil, steam, tank, "Y" blow-off and whistle; cocks: air, gas, oil and steam; water gauges; injectors; expansion joints; oil and grease cups; lubricators; oil well accessories; fusible plugs; brass and bronze castings; automobile and motor boat accessories; air and steam whistles; air, gas, oil and steam fittings;

brass and iron unions; pumps: oil and air. Cable address, "Star," Cincinnati. Codes, Western Union, Lieber's, Atlantic Cable, Marconi, A B C Fourth and Fifth editions, and Business.

Power Specialty Company, 111 Broadway, New York. Steam, air, water and gas superheaters; marine, stationary, portable, heating, high pressure, safety, water tube boilers. Foreign agents: Heenan & Froude, Ltd., Manchester, England. Cable address, "Rewop," New York.

Powers Accounting Machine Company, 50 Church street, New York. Accounting machines. Foreign connections: The Accounting and Tabulating Corp. of Great Britain, Ltd., Cecil House, 57 Holborn Viaduct, London, E. C., England; Societa Italiana Macchine Classificatrici-Addizionatrici, Via Bocchetto 3, Milan, Italy. Cable address, "Sorter," New York. Code, Western Union.

Powers-Weightman-Rosengarten Company, 916 Parrish street, Philadelphia, Pa. New York office, 145 Front street. A full line of medicinal chemicals including quinine sulphate, hydrochloride and other salts of cinchona; morphine sulphate, morphine hydrochloride, codeine, diacetylmorphine and other derivatives of opium; strychnine; iodides; mercurials; bismuth subnitrate; bismuth subcarbonate; acid citric; zinc phosphide; acetanilide, hexamethylenamine; also, a general line of technical chemicals for use in manufacturing and the arts. Cable address, "Powersweightman," Philadelphia. Codes, A B C Fifth edition, Western Union and Lieber's.

Pratt Consolidated Coal Company, Birmingham, Ala. Coke and coal. Foreign agents: Mann, George & Company, 64 Cornhill, London, E. C., England. Cable address, "Pratt," Birmingham. Code, Scott's Tenth edition.

Pratt & Cady Company, Inc. 556 Capitol avenue, Hartford, Conn. New York office, 259 Canal street. Brass, iron and steel valves for all pressures; fire hydrants; steam traps; asbestos packed cocks, etc. Foreign agents; Edward Le Bas & Co., Dock House, Billiter street, London, E. C., England; Canadian-Fairbanks-Morse Co., Ltd., Montreal, Quebec, Canada. Cable address, "Pracady," Hartford. Code, private.

Pratt & Lambert, Inc., 75 Tonawanda street, Buffalo, N. Y. New York office, 185 Madison avenue. All kinds of varnishes, liquid dryers, asphaltums, enamels, undercoatings, liquid fillers, paste fillers, oil stains and acid stains. Cable address, "Varnish," New York. Codes, Lieber's and A B C.

The Pratt & Whitney Company, 111 Broadway, New York. Machinery and small tools.

The G. E. Prentice Manufacturing Company, Berlin avenue, New Britain, Conn. Metal trimmings for suspenders and garters and men's belt buckles.

Prentiss Vise Company, 110 Lafayette street, New York. Vises of all kinds and sizes. Cable address, "Prentvise," New York. Code, Western Union.

George W. Prentiss & Company, Holyoke, Mass. Iron and steel wire, both flat and round; particularly the higher qualities in small sizes for special purposes. Cable address, "Prentissco," Holyoke. Code, Western Union.

Pressed Steel Tank Company, Milwaukee, Wis. Seamless steel bilged barrels and steel drums. Cable address, "Seamless," Milwaukee. Codes, A1 and Lieber's.

The Prest-O-Lite Company, Inc., Indianapolis, Ind. New York office, 206 Amsterdam avenue. Storage batteries for automobiles. etc.; dissolved acetylene; oxy-acetylene welding apparatus; pressed and drawn steel cylinders and shapes, including torque tubes, axle housings, etc., for automobiles. Cable address, "Prestolite," Indianapolis. Code, Western Union.

Primos Chemical Company, Primos, Delaware County, Pa. Molybdenum metal, ferro-molybdenum, molybdic acid, molybdate of ammonia; tungsten metal, ferro-tungsten, tungstic acid, tungstate of soda, tungstate of ammonia; ferro-vanadium, vanadic acid, cupro-vanadium, ammonium vanadate. Foreign agents: Everitt & Co., 40 Chapel street, Liverpool, England. Cable address, "Briquette," Philadelphia.

Princeton Worsted Mills, Inc., Trenton, N. J. Fancy worsted cloths.

Printz-Biederman Company, 1213 West Sixth street, Cleveland, Ohio. New York office, room 1210, 200 Fifth avenue. Women's coats, suits and wash skirts.

E. Pritchard, 327 Spring street, New York. Canned tomato products, catsup, sauce and jellies. Cable address, "Epritchard," New York.

The Procter & Gamble Company, United Bank building, Cincinnati, Ohio. Soaps: "Star", "Ivory", "P & G The White Naphtha", "Lenox", "Blue Mottled" in bars; cotton seed oils: "Boreas" prime winter yellow, "Venus" prime summer white, "Jersey Butter" oil, "Aurora", prime summer yellow. Cable address, "Procter," Cincinnati. Codes, Western Union, A B C Fifth edition, Lieber's and private.

Proctor Ellison Company, 12 South street, Boston, Mass. Sole leather, leather welting. Cable address, "Procell," Boston. Codes, A B C Fifth edition, Lieber's and Western Union.

The Progress Tailoring Company, 161 West Harrison street, Chicago, Ill. Wholesale tailoring.

Progressive Silk Finishing Company, 622 Clinton street, Hoboken, N. J. Silk finishers. Cable address, "Prosilk," Hoboken.

Isaac Prouty & Company, 215 Essex street, Boston, Mass. Men's dress shoes, Goodyear welts; men's work shoes, nailed.

Proximity Manufacturing Company, Greensboro, N. C. Export agents, Cone Export and Commission Co., 61 Worth street, New York. Denims, khaki cloth, printed drills.

Prudden Wheel Company, Saginaw street East, Lansing, Mich. Artillery type automobile wheels for pleasure cars or commercial vehicles, consisting of metal hubs, woodwork wheel fillings, as well as steel tire rims. All wheels built to conform to automobile manufacturers' detailed specifications.

The C. D. Pruden Company, Bayard and Warner streets, Baltimore, Md. New York office, 30 Church street. Portable steel buildings, fire-proof windows and doors. Cable address, "Denco," Baltimore. Codes, Western Union Universal edition.

Publishers' Printing Company, 207 West Twenty-fifth street, New York. Printers.

Puget Sound Bridge and Dredging Company, 432 Central building, Seattle, Wash. Dredging, harbor work and general contracting.

The Puget Sound Iron and Steel Works, Canal street between Eleventh street and St. Paul avenue, Tacoma, Wash. Logging engines, hoisting engines, mine hoists and machinery, marine engines, steel and iron castings. Cable address, "Pugetiron," Tacoma. Codes, Atlantic Directory or any commercial code.

Puget Sound Mills and Timber Company, 607 American Bank building, Seattle, Wash. Lumber: fir, spruce, hemlock, red cedar; red cedar shingles; logs. Code, Telecode.

The Pullman Company, Pullman building, Chicago, Ill.. New York office, Mills building. Freight and passenger cars. Foreign agent, H. G. Brown, care of Chipman, Ltd., Calle Cangallo 315, Buenos Aires, Argentina.

The Purington Paving Brick Company. Galesburg Ill. Vitrified paving brick and blocks.

Puritan Cordage Mills, 1564 Story street, Louisville, Ky. Cotton braided sash cord, cotton twisted rope, cotton braided and twisted clothes lines.

The Pusey & Jones Company, foot of Poplar street, Wilmington, Del. New York office, room 242, 120 Broadway. Pulp and paper mill machinery; centrifugal, stuff and suction pumps; welded and riveted steel digesters; incinerators, tanks, etc., for pulp mill recovery plants; plastometers for testing density of rubber; friction clutches; steel ships of all description up to 4,000 tons. Foreign agents: Lorentzen & Wettre, Christiania, Norway; Alexander Allan & Co., Petrograd, Russia; Bulow & Bennett, Paris, France; Johnson, Jorgensen & Wettre, London, England. Cable address, "Puseyjones," Wilmington. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Putnam Knitting Company, Jackson avenue, Cohoes, N. Y. "Turknit" knitted wash cloths. Export agents: William E. Peck & Co., 104 Pearl street, New York; Muller, Maclean Co., 11 Broadway, New York. Cable address, "Putnam," Cohoes. Code, Western Union.

The Pyle-National Company, 900 South Michigan avenue, Chicago, Ill. Turbo-generators for electric headlights, "Young" valve gears and piston valves. Cable address, "Searchlight," Chicago. Code, Western Union.

Pyrene Manufacturing Company, 52 Vanderbilt avenue, New York, "Pyrene" fire extinguishers, brackets to hold and liquid to fill them; safety first aid kits. Jobbers of fire appliances of all kinds. Foreign agents, Pyrene Co., Ltd., 19 Great Queen street, London, England. Cable address, "Pyrene," New York. Code, Western Union.

Quaker City Chocolate and Confectionery Company, 2134 Germantown avenue, Philadelphia, Pa. Confectionery. Cable address, "Kamross," Philadelphia.

Quaker City Morocco Company, 519 Huntingdon street, Philadelphia, Pa. Glazed kid. Cable address, "Felton," Philadelphia. Codes, A B C Fourth and Fifth editions and Lieber's.

Quaker City Rubber Company, 629 Market street, Philadelphia, Pa. New York office, 207 Fulton street. "Daniel's P. P. P." rod packing, "Daniel's" ebonite sheet packing, "Quaker" tempered rubber tires, rubber belting, hose for all purposes, rod and sheet packing, pump valves, gaskets, tubing, rubber mats and matting, moulded goods, complete line of mechanical rubber goods. Cable address, "Cadaniel," Philadelphia. Codes, A B C Fourth edition, Lieber's, Western Union Five Letter and private.

The Quaker Oats Company, Chicago, Ill. New York office, Whitehall building. A complete line of cereal and flour products. Foreign branches: Cape Town, South Africa; Prinsens Gate 2, Christiania, Norway; Witte Huis, Rotterdam, Holland; Quaker Oats, Ltd., 11 Finsbury Square, London England. Cable address, "Kwaker," Chicago. Codes, Western Union, Lieber's and A B C Fifth Improved edition.

Racine-Sattley Company, Racine, Wis. Full line of agricultural implements: plows, corn and cotton planters, cultivators, harrows, etc.; also a full line of buggies, runabouts, and pleasure vehicles of all sorts, delivery wagons and heavy trucks.

Radcliffe Brothers, Shelton, Conn. Hosiery and underwear.

The Rahn-Larmon Company, 2941 Spring Grove avenue, Cincinnati, Ohio. Engine lathes, turret lathes, gap lathes. Foreign agents: Jos. T. Ryerson & Son, Sixteenth and Rockwell streets, Chicago, Ill., for Russia and France; The Interchange, Ltd., 17 Battery place, New York, for Scandinavia, Holland and England. Cable address, "Eureka," Cincinnati. Codes, Western Union, Lieber's and private.

The William Rahr Sons' Company, Manitowoc, Wis. Export agent, Hans Hinrichs, 1 Broadway, New York. All grades of finest American malts, such as brewers', distillers', caramel, roasted, black, rye and barley malt, and coffee substitutes. Cable address, "Rahrsons," or "Hahima," New York.

Rail and River Coal Company, 744 Rockefeller building, Cleveland, Ohio. Coal.

Railway Steel-Spring Company, 30 Church street, New York. Elliptic and coil springs for cars and locomotives, all kinds of machinery springs, volute springs, valve springs, pressed steel journal box covers, locomotive and car wheel tires, steel tired wheels for cars and locomotives, forged and rolled steel roll shells, forged and rolled steel wearing parts for milling and pulverizing machinery, forged and rolled steel pipe flanges, forged and rolled steel gear rings. Cable address, "Steelspring," New York.

Ramapo Iron Works, Hillburn, Rockland County, New York. Export office, 30 Church street, New York. Switches, frogs, crossings, switch stands, plantation cars, etc. Cable address, "Ramaliam," New York. Codes, Lieber's, A B C Fifth edition and A 1.

Rambo & Regar, Inc. (Globe Knitting Mills), Norristown, Pa. New York office, 86 Franklin street. Seamless hosiery in cotton, lisle, mercerized and silk.

Rand, McNally & Company, 536 South Clark street, Chicago, Ill. New York office, 42 East Twenty-second street. Publishers of *Bankers' Directory of North America—Complete* and of *Lawyers' (Bonded) List of North America—Selected List.* Publishers of atlases, general literature, children's books, educational and scientific books; printers, engravers, designers and binders; calendars, maps, coupon books, baggage checks, railroad tickets, theater tickets, globes; conductors' punches, dating stamps, map and ticket cases. Cable address, "Ranally," Chicago.

John C. Rankin Company, 216 William street, New York. Printing of all kinds.

Ransome Concrete Machinery Company, Dunellen. N. J. Plant also at Reading, Pa. Export office, 115 Broadway, New York. Concrete mixing, paving and handling machinery; road building machinery and equipment; contractor's machinery and equipment; engines and boilers and power equipment. Cable address, "Racomaco," Dunellen. Codes: Western Union, A B C Fifth edition and private.

The Rapid Electrotype Company, 109 West Canal street, Cincinnati, Ohio. New York office, 200 Fifth avenue. Advertising plates, electrotypes, aluminotypes and matrix.

Raritan Copper Works, Perth Amboy, N. J. Export office, 42 Broadway. Refiners of electrolytic copper.

Rasner & Dinger Company, Second avenue and Ferry street, Pittsburgh, Pa. Architectural sheet metal work: cornices, skylights, fireproof sheet metal windows, tanks, blast pipe and all kinds of special sheet iron work up to as heavy as 10 gauge, acetylene welding, etc.

Rathborne, Hair & Ridgway Company, Twenty-second and Union streets, Chicago, Ill. Wooden packing boxes, beer boxes and cases of all descriptions.

The Raybestos Company, Bostwick and Railroad avenues, Bridgeport, Conn. "Raybestos" brake lining, automobile brakes, Ford brakes and brake lining, high pressure compressed asbestos sheet packing. Foreign agents: Brown Brothers, Ltd., 22 Great Eastern street, London, E. C., England; John Millen & Sons, Ltd., Montreal, Toronto, Vancouver and Winnipeg, Canada.

Raymond Concrete Pile Company, 140 Cedar street, New York. Concrete piles.

A. J. Reach Company, Tulip and Palmer streets, Philadelphia, Pa. Sporting goods: baseballs, mitts, gloves, masks, boxing gloves, punching bags, footballs, basketballs, golf balls, golf bags. Cable address, "Reach," Philadelphia.

Read Machinery Company, Inc., York, Pa. New York office, 52 Park Row. Machinery for bakers, hotels and restaurants, mixing machinery for powder, candy, chemicals and kitchen use. Foreign agents: Read Bros., 27 Caledonian Road, Kings Cross, London, England; W. A. Campbell, Havana, Cuba; MacAdams, Ltd., Capetown, South Africa. Cable address, "Readco," York. Codes, A B C Fifth edition and Western Union.

The Read & Lovatt Manufacturing Company, 95 Madison avenue, New York. Silk throwsters (spinners) of organzine and tram on commission.

William F. Read & Sons Company, 209 Chestnut street, Philadelphia, Pa. New York office, 212 Fifth avenue. Woolen and worsted dress goods and worsted shoe cloths. Cable address, "Foxread," Philadelphia. Code, A B C Fifth edition.

Reading Rubber Manufacturing Company, Reading, Mass. Coated fabrics for carriages and automobiles.

The Rebhun Last Company, 1728 Dana avenue, Cincinnati, Ohio. Lasts for shoe manufacturers. Cable address, "Rebhunlast," Cincinnati. Code, Western Union.

Recording and Computing Machine Company, Fourth and St. Clair streets, Dayton, Ohio. Recording and computing machines.

The Red River Lumber Company, 807 Hennepin avenue, Minneapolis, Minn. Export office, 695 Monadnock building, San Francisco, Cal. White and sugar pine lumber and its products, red cedar pencil stock.

Reed Manufacturing Company, Erie, Pa. New York office, 86 Warren street. Bench and pipe vises, pipe cutters, stock and dies for both pipe and bolts. Cable address, "Reed," Erie. Codes, A B C Fifth edition, Lieber's and Western Union.

Reed-Prentice Company, 677 Cambridge street, Worcester, Mass. Lathes, drilling machines, automatic machines, surface grinders and special machines. Foreign agents: Fenwick Frères & Co., Paris, France; Allied Machinery Co., New York; Manning, Maxwell & Moore, New York. Cable address, "Reed Worcester" and "Drilathe," Worcester. Codes, Lieber's and A B C Fourth edition.

Reed & Barton, Taunton, Mass. New York offices, 4 Maiden lane and 320 Fifth avenue. A general line of sterling silver and silver plated ware, bronzes, pewter antiques, memorial tablets, etc. Cable address, "Reed," Taunton. Codes, Liebers, A B C Fourth and Fifth editions, Western Union and Simplex Condenser.

F. E. Reed Glass Company, 860 Maple street. Rochester, N. Y. Glass bottles.

James Rees & Sons Company, 18 Fancourt street, Pittsburgh, Pa. Iron, steel and wooden river steamers; marine engines and boilers; general machinery builders. Cable address, "Rees," Pittsburgh. Code, Western Union.

The Reeves Manufacturing Company, Dover, Ohio. Black and galvanized steel sheets; black, galvanized and painted corrugated sheets and roofing; metal ceilings and shingles; charcoal iron blooms and skelp.

Reeves Pulley Company, 1225 Seventh street, Columbus, Ind. "The Reeves" wood split pulleys, variable speed transmissions, roller shaft bearings, wood split pulley clutches. Cable address, "Reeves," Columbus, Ind. Codes, Lieber's and private.

Regal Shoe Company, 268 Summer street, Boston, Mass. New York office, 1369 Broadway. Men's, women's and boys' fine shoes. Foreign agents: Jose Dorrego, Ahumada 226, Santiago, Chile; Luis Vasquez Greiff, Medellin, Colombia; Denniston & Co., La Paz, Bolivia; M. Camblor & Co., Allen 43, San Juan, Porto Rico; Franz Staropolski, Bartolme Mitre 1871, Buenos Aires, Argentina; Coates & Co., Calle Sarande 115B, Montevideo, Uruguay; Armour & DeWitt, Prado 107. Havana, Cuba. Cable address, "Regal," Boston. Codes, A B C Fifth edition and Western Union.

The Regina Company, Rahway, N. J. Music boxes, vacuum cleaners, printing presses, copying machines.

Reiling & Schoen, Inc., 260 Fourth avenue, New York. Silk dress goods, necktie silks, linings, shirting silks, silk and wool fabrics. Cable address, "Planchon," New York. Code, A B C Fifth edition.

Reilly-Peabody Fuel Company, 408 Frick building, Pittsburgh, Pa. Bituminous coal, gas coal and metallurgical coke.

M. Reischmann & Sons, Willow avenue and 135th street, New York. Tables; cafe, hotel and dining room furniture.

The C. Reiss Coal Company, Sheboygan, Wis. Wholesale and retail coal. Code, Western Union.

Reliance Manufacturing Company, 512 South Fifth avenue, Chicago, Ill. New York office, 364 Broadway. Converters of cotton goods, work shirts and overalls.

The Remington Arms-Union Metallic Cartridge Company, Inc., 233 Broadway, New York. Firearms and ammunition. Foreign branch, St. Stephen's House, Westminster, S. W., 1, London, England. Cable address, "Hartley," New York. Codes, A B C Fifth edition, Western Union and Lieber's.

Remington Machine Company, 211 East Front street, Wilmington, Del. Ice making and refrigerating machinery. Cable address, "Remington," Wilmington. Codes, Lieber's, Western Union and A B C Fifth edition.

The Remington Oil Engine Company, 30 Church street, New York. Stationary and marine oil engines. Foreign agents: Arendal Motor and Machine Company, Arendal, Norway; Colonia Transport Co., Tampico, Mexico; L. Florias, Volo, Greece; Gaston, Williams & Wigmore, Havana, Cuba; Santasilia & Galloti, Naples, Italy; Strong & Co., Manila, P. I.; Velez & Co., Caracas, Venezuela. Cable address, "Remoileng," New York. Codes, Western Union, A B C and Lieber's.

Renfrew Manufacturing Company, Columbia street, Adams, Mass. Selling agents; F. U. Stearns & Co., 9 Thomas street, New York. "Renfrew" zephyr madras, "Renfrew" Devonshire cloth; "Renfrew" standard and mercerized table damask and napkins, colored and grey warp yarns.

Reo Motor Car Company, 1331 Washington avenue South, Lansing, Mich. Four and six cylinder roadsters and touring cars; four cylinder 1,500 lb. and 2 ton trucks. Cable address, "Reolds," Lansing. Codes, Western Union and A B C Fifth edition.

Republic Bank Note Company, 2817 Forbes street, Pittsburgh, Pa. New York office, 31 Nassau street. Commercial forms of all kinds, letterheads, billheads, checks, pass books, bonds, stock certificates, securities, currency, government stamps for foreign governments; printers of fine halftone and color work, catalogues, etc.

Republic Products Company, 80 South street, New York. Chemicals and dyes. Selling agents: Republic Trading Company, 80 South street, New York. Cable address, "Reping," New York. Codes, Lieber's, Western Union, A B C Fifth edition and all latest editions of five letters.

The Reuhl Moulding Manufacturing Company, 1022 West Eighth street, Cincinnati, Ohio. New York office, 225 Fifth avenue. Picture moulding and frames, serving trays and desk sets. Foreign agents: B. Singer & Co., 281 George St., Sydney, Australia; R. E. Hannier, Casilla de Correo 1405, Buenos Aires, Argentina; Wm. Harrop, 84 Albert Grove, Longsight, Manchester, England; C. K. Turner & Son, 116 Broad St., New York.

The Reyburn Manufacturing Company, Twenty-third street and Allegheny avenue, Philadelphia, Pa. New York office, 115 Worth street. Paper shipping tags, price tickets, all kinds of paper specialties.

The Reynolds & Reynolds Company, Dayton, Ohio. Tablets, note books, composition books, salesmen's order books; printing and lithographing.

H. M. Reynolds Asphalt Shingle Company, Grand Rapids, Mich. New York office. 101 Park avenue. Asphalt shingles, size 8" x 12½", resembling slate; shingles are made in natural colors surfaced with crushed slate and rock.

Rhode Island Tool Company, 148 West River street, Providence, R. I. Bolts, cold punched nuts, cap screws, screw machine products, small forgings.

Rhodes & Ripley Clothing Company, 72 Lincoln street, Boston, Mass. Ready made clothing.

Rice, Barton & Fales Machine and Iron Company, 65 Tainter street, Worcester, Mass. Pulp and paper mill machinery, textile printing machinery. Cable address, "Ricebarton," Worcester. Codes, Western Union and A B C Fifth edition.

Rice Stix Dry Goods Company, 1000 Washington avenue, St. Louis, Mo. Export office, New Orleans, La. New York office, 377 Broadway. Mens' shirts, cotton and silk athletic underwear, boys' blouses, rompers, overalls. pants and working clothing. Jobbers of all dry goods, such as hosiery, notions, cotton goods, dress goods, wash goods, etc. Cable address, "Stix," St. Louis. Code. A B C Fifth edition.

A. H. Rice Company, Pittsfield, Mass. New York office, 1178 Broadway. Silk thread: machine twist, sewing silk and button hole twist; braids of all kinds made of silk, mohair, artificial silk and tinsel in plain and fancy patterns. Cable address, "Abriceco," Pittsfield. Codes, Western Union and Lieber's.

Bernard Rice's Sons (Apollo Silver Company), 325 Fifth avenue, New York. Silver-plated hollow-ware and novelties; shaving mirrors and sets both nickel and silver-plated. Foreign agents: Pablo Kisch. Tucuman 721, Buenos Aires, Argentina; David Blis, Hotel La Union, Havana, Cuba. Cable address, "Bernrice," New York. Code, A B C Fifth edition.

Richards-Wilcox Manufacturing Company, Aurora, Ill. New York office, 85 Walker street. Sliding door hangers and track for houses, barns, garages and public buildings; elevator door hangers; fire door hangers, track and fixtures; overhead trolley and I beam carrying equipment; door checks; checking floor hinges; grindstones; wire fence stretchers; hoists; rolling store ladders; manual training benches and vises; locks and latches; stay rollers. Cable address, "Richwilco," Aurora, Ill.

Richards & Company, Inc., 200 Fifth avenue, New York. Factory at Stamford, Conn. Leather cloth, lacquers, nitro cellulose, and solvents. Cable address, "Gidaffront," New York.

Richardson & Boynton Company, 31 West Thirty-first street, New York. Boilers, steam and water heating; furnaces for warm air heating, cooking ranges.

Richey, Browne & Donald, Inc., 2101 Flushing avenue, Maspeth, borough of Queens, New York. New York office, 103 Park avenue. The "Browne" steel window, ornamental iron and bronze work for buildings, as stairs, railings, elevator enclosures and cars, fascias, front work, marquees, etc.; the "Moldar" roller ramming and moulding machines and sand handling appliance for use in foundries; gray iron machine castings.

The Richman Brothers Company, Cleveland, Ohio. Clothing.

Richmond Cedar Works, Richmond, Va. Export office, 90 West Broadway, New York. Washing machines, freezers, pails, tubs, clothes-pins, butter dishes, cylinder churns, white and red cedar slats and lumber. Cable addresses: "Cedarwork, New York; "Maderine," Richmond. Codes, Western Union and A B C Fifth edition.

Richmond Guano Company, 1106 East Main street, Richmond, Va. Sulphuric acid, acid phosphate, complete fertilizers. Cable address, "Richguanco," Richmond. Codes, A B C Fifth edition and Western Union.

Richmond Hosiery Mills, Rossville, Ga. Cotton and mercerized hosiery for men, women and children. Foreign agents: Sverre Young, 17 Kirkegaten, Christiana, Norway; R. C. Odoardo, Montevideo, Uruguay; A. G. Salter, 10 New Union street, London, England; Edwin Wilson & Co., P. O. Box 719, Cape Town, South Africa; Edwin G. Rogers & Co., Commerce House. Flinders street, Melbourne, Australia. Cable address, "Richmond," Chattanooga. Codes, A B C Fourth edition and Lieber's.

Richmond Underwear Company, Marbridge building, Thirty-fourth street and Broadway, New York. Children's muslin underwear.

Rider-Ericsson Engine Company, 20 Murray street, New York. Pumps and hot-air engines. Jobbers of all sorts of water supply goods. Cable address, "Delamater," New York. Codes, A1, A B C Fourth and Fifth editions and Western Union.

P. Rielly & Son, Mott street and Passaic avenue, Newark, N. J. Patent and enameled leather for the automobile, carriage, furniture and shoe trades. Foreign agent: Patrick Rielly, Ltd., 130 Ossulston street, London, England. Cable address, "Priellys," Newark. Codes, Western Union, A B C Fourth edition and Lieber's.

The Riker Company, 480 Washington street, Newark, N. J. Belt and shoe buckles, brass stampings, initials and metal novelties.

The Riley Shoe Manufacturing Company, 326 Park street, South Columbus, Ohio. Shoes.

Mark D. Ring's Son & Company, Third and Somerset streets, Philadelphia, Pa. Woolen yarns.

F. A. Ringler Company, 40 Park place, New York. Electrotypes, photo-engravings, photogravure plates, steel dies, brass embossing plates, embossing plates for leather graining, and plates for printing by all known processes.

W. C. Ritchie & Company, 400 South Green street, Chicago, Ill. Paper boxes, fiber cans, mailing tubes.

Rittenhouse & Embree Company, 3500 Center avenue, Chicago, Ill. Lumber.

The Ritter Dental Manufacturing Company, 404 West avenue, Rochester, N. Y. New York office, 200 Fifth avenue. Dental furniture and supplies: "Ideal Columbia" chairs, "Columbia" electric engines, lathes, air compressors, distributing panels, distributing panel instruments, lathe chucks, cauteries, hot air syringes, spray bottle warmers, engine oil, engine belts. Foreign agents: for Europe, India, Africa, Australia and British Isles, C. deTrey & Co., Ltd., 13 Denman street, Piccadilly Circus, London, England; in Brazil, Julio Berto Cirio, Rio de Janeiro; Louis Hermanny & Co., Rio de Janeiro, and Freitas & Costa, Bahia; A. C. Mayer, Buenos Aires, Argentina; George E. Kinkead, Kingston, Jamaica; G. Tschumi & Cia, Santiago, Chile; Chung Mei Drug Co., Ltd., Canton, China; Tamayo & Fonnegra, Bogota, Columbia; Campania Dental Cubana, Havana, Cuba; Dr. J. A. Linville, Colon, Canal Zone, Panama; T. Yamada, Tokyo, Japan; Mexico Dental Supply Co., Mexico City Mexico; Truel & Co., Lima, Peru; M. Couvertie & Co., San Juan, Porto Rico; The German Dispensary, Manila, P. I.; Honolulu Dental Supply Co., Honolulu, Hawaii. Cable address, "Ritter," Rochester. Code, Western Union.

Riverside Bridge Company, Martins Ferry, Ohio. Bridges, buildings and steel structures of all descriptions.

Riverside Fibre and Paper Company, Appleton, Wis. Writing paper and sulphite.

Riverside Mills, Bay and Eleventh streets, Augusta, Ga. Export agents, Union Wadding Co., Pawtucket, R. I. New York office, 49 Leonard street. Cotton waste, woolen waste, cotton batting, jute bagging, paper stock and soft cotton waste for respinning, etc. Cable address, "Rivermills," Augusta, Ga. Codes, Western Union and Shepperdson's 1881 edition.

Riverside Portland Cement Company, 762 Mills building, San Francisco, Cal. Cement.

Riverside Steel Casting Company, Passaic avenue and Lincoln highway, Newark, N. J. Crucible steel castings, open hearth steel castings.

Riverside Tailoring Company, Pugh building, Fourth and Pike streets, Cincinnati, Ohio. Clothing.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. New York office, 56 Worth street. Plaids, cheviots, chambrays, dress ginghams, wide sheetings (bleached and brown), sheets, pillow cases, etc.

Roach & Musser Company, Muscatine, Iowa. Solid doors from white pine, stock pattern doors veneered from oak and birch, windows and sashes, interior trim.

Roane Iron Company, 42 Chamberlain building, Chattanooga, Tenn. Foundry and forge pig iron.

The Robbins & Myers Company, Lagonda avenue and Leah street, Springfield, Ohio. Export office, 71 Murray street, New York. New York office, Room 400E, 30 Church street. Electric motors, electric generators, electric fans, direct and alternating current motor-generators. Foreign agents: Berkeley & Young, Ltd., Finsbury Court, Finsbury Pavement, London, E. C., England; Balmar, Lawrie & Co., 103 Clive street, Calcutta, India; A. Asher Smith, Sydney, Australia; Geo. E. Willard, Calle Riviadavia 1385, Buenos Aires, Argentina; King & Co., Rua Theophilo Ottoni 35, Rio de Janeiro, Brazil. Cable address, "Standard," Springfield, Ohio. Codes, Lieber's, A B C Fifth and Fifth Improved editions, Western Union, Business Telegraph and private.

A. Roberson & Son, Binghamton, N. Y. Export office, 76 Pine street, New York. Doors, windows, blinds, frames and mouldings. Foreign agent: John Collier, Liverpool, Ltd., 21 Kempston street, Liverpool, England. Cable address, "Roberson," Binghamton. Code, A B C Fifth edition.

---

to manufacturers whose names are given in this book.

John Robertson & Company, 133 Water street, Brooklyn, N. Y. Hydraulic presses, hydraulic pressure pumps, lead pipe machinery, lead encasing presses, electric carbon presses, bullet rod presses. Cable address, "Tubalc," Brooklyn. Code, A B C Fifth edition.

The Robeson Cutlery Company, 176 Anderson avenue, Rochester, N. Y. New York office, 1221 Fifth Avenue building. Pocket knives. Jobbers of shears, razors, butchers' knives.

The Robinson Clay Products Company of New York, Akron, Ohio. Export office, Tenth floor, Flat Iron building, New York. Sewer pipe, flue liners, wall coping, drain tile, fire brick, fire clay, segment blocks, stoneware, chemical stoneware, stoneware specialties, earthenware. Cable address, "Robclapro," New York. Code, Western Union.

L. Robinson & Company, 92 Bleecker street, New York. Knee pants, men's pants.

Rochester Box and Lumber Company, Culver Road Subway, Rochester, N. Y. Wooden packing cases and shooks.

Rochester Last Works, 1220 University avenue, Rochester, N. Y. Export agent, R. J. Bosch, 59 Pearl street, New York. New York office, 106 Reade street. Shoe lasts.

Rochester Lead Works, Rochester, N. Y. Lead pipe, lead traps, lead bends, solder, babbitt metal, tin pipe, tin lined lead pipe.

Rochester Stamping Company, 176 Anderson avenue, Rochester, N. Y. New York office, 200 Fifth avenue. Casseroles. percolators, serving dishes, crumb sets, chafing dishes, accessories, fancy sets; electric percolators, irons, chafing dishes, toasters, stoves; other fancy table metalware.

Rochester Top Lift Company, Inc., 167 Ames street, Rochester, N. Y. Cut top lifts for shoe manufacturers. Jobbers of sole leather. Cable address, "Topliftco," Rochester. Code, Western Union.

Rock Island Plow Company, Rock Island, Ill. Export agents, David S. Hays & John L. Denton, 24 State street, New York. Farm implements, including plows, harrows, planters, cultivators, cream separators, hay tools, manure spreaders, farm tractors and tractor plows. Jobbers of wagons, buggies, drills, gasoline engines.

Rockford Malleable Iron Works, Rockford, Ill. Malleable iron castings used in the manufacture of automobiles, agricultural implements, freight and passenger cars, railway and track appliances. Cable address, "Malleable," Rockford. Code, Western Union.

Rockford Mitten and Hosiery Company, Rockford, Ill. Hosiery.

Rockport Granite Company, 83 Granite street, Rockport, Mass. New York office, room 1205, 21 Park row. Quarriers of granite for buildings, bridges, and all purposes, granite paving blocks. Cable address, "Granite," Rockport. Code, Western Union.

The Rockwood Manufacturing Company, 1801 English avenue, Indianapolis, Ind. "Rockwood" paper pulleys and fibre frictions, friction transmission parts. Cable address, "Rock," Indianapolis. Code, Western Union.

Rockwood & Company, 88 Washington avenue, Brooklyn, N. Y. Cocoa powders, cocoa butter, sweet chocolates, liquor chocolates and chocolate coverings. Foreign agent: Charles E. Kendrick, care of Hotel Savoy, London, England. Cable address, "Woodrock," Brooklyn. Codes, Western Union, A B C Fifth edition.

The Rodefer Glass Company, Bellaire, Ohio. Glass novelties, pressed and blown, colored glass, glass blanks, floor and skylight glass and lantern globes.

John A. Roebling's Sons Company of New York, Trenton, N. J. Export office, 117 Liberty street, New York. Wire rope; iron and steel wire, round, square, flat and special shapes; copper wire, insulated wire for electrical purposes of all kinds; electric cables; wire cloth and netting. Cable address, "Roebling," New York. Codes, A B C, Lieber's, Western Union and private.

Louis Roessel & Company, 440 Fourth avenue, New York. Broad silks.

The Roessle Brewery, 1250 Columbus avenue, Boston, Mass. Lager beer.

The Roessler & Hasslacher Chemical Company, 100 William street, New York. Oxide of tin, oxide of antimony, ceramic colors, formaldehyde, paraform, hexamethylene, acetone, chloroform, cyanid of sodium and metallic cyanids. Jobbers in general of chemicals for pharmacy and the arts. Cable address, "Jigda," New York. Codes, A B C, Lieber's and Western Union.

Rogers-Brown Iron Company, Erie County Bank building, Buffalo, N. Y. Export agents, Rogers-Brown & Co., 30 Church street, New York. Foundry, malleable and basic pig iron.

Rogers-Brown & Company, Carew building, Cincinnati, Ohio. Export office, 30 Church street, New York. Pig iron, ferro manganese, spiegeleisen, ferro silicon. Foreign agents: Reichmann Co., Glasgow, Scotland; Francesco di Le Ricci, Genoa, Italy; Carl Setterwall Co., Stockholm, Sweden. Cable address, "Rogerbrown," New York. Codes, Western Union, Lieber's, A B C Fourth and Fifth editions and private.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. New York office, 15 Maiden lane. Sterling silver tableware.

Rogers & Company, Twentieth and Calumet streets, Chicago, Ill. New York office, Printing Crafts building. Engravers and printers of catalogues.

Rogers & Hall Company, 124 Polk street, Chicago, Ill. Printers of catalogues and other publications.

Simeon L. & George H. Rogers Company, 62 Market street, Hartford, Conn. Silverplated flatware and cutlery, German silver and nickel silver flatware.

H. A. Romberger, 336 Bourse building, Philadelphia, Pa. New York agents, Sutton & Vandewater, 346 Broadway. Cotton hosiery: men's half hose, women's hose, infants' ribbed hose, infants' plain and fancy cotton and mercerized socks.

Rome Brass and Copper Company, Rome, N. Y. Export office, care of W. T. Stevens, 5 State street, New York. New York office, Chambers building. Copper and brass in sheets, rods, wire, tubes both brazed and seamless, tacks and nails, rivets and burrs; electrical copper: copper bus bars, commutator bars and segments. Foreign agents: Schwery & Co., Sao Paulo, Brazil; Bankier & Linn, Montevideo, Uruguay; Frank L. Randolph, Buenos Aires, Argentina. Cable address, "Robrascop," New York. Codes, Western Union, A B C Fifth and Fifth Improved editions.

Rome Electrical Company, South Jay street Rome, N. Y. Magnet wire.

The Rookwood Pottery Company, Cincinnati, Ohio. New York office, 101 Park avenue. Decorated pottery, vases, etc.; architectural faience, tiles, architectural ornaments, fountains, garden pottery, etc. Cable address, "Rookwood," Cincinnati. Code, Western Union.

Root Manufacturing Company, 21 Mohawk street, Cohoes, N. Y. New York office, 357 Fourth avenue. Woolen underwear suitable only for winter wear in the temperate zone.

The Root & Van Dervoort Engineering Company, East Moline, Ill. Stationary gasoline engines, gasoline engines for motor cars and trucks, lathes for munition purposes. Cable address, "Rootvan," East Moline. Code, Western Union.

The A. I. Root Company, Medina, Ohio. New York office, 139 Franklin street. Bee-keepers' supplies. Foreign agents: Goldkuhl Brosvom, 1138 Calle Belgrano 1150, and Vincente Peluffo & Co., 623 Calle Alsina, Buenos Aires, Argentina; H. L. Jones, Goodna, Queensland, Australia; Miguel Macaya & Co., San Jose, Costa Rica. Cable address, "Root," Medina.

P. H. & F. M. Roots Company, Connersville, Ind. New York office, 120 Liberty street. "Roots" positive pressure blowers, gas exhausters, water and vacuum pumps. Foreign agent for Scandinavia and Russia, G. Hartman, 154 Nassau street, New York, P. O. Box 1, Christiania, Norway, and 54 Fontanks, Petrograd, Russia. Cable addresses: "Jaction," New York; "Roots," Connersville. Codes, Moreing & Neal, Western Union 1901 edition and A B C.

Ropkins & Company, Hartford, Conn. Brewers and bottlers of ale and porter.

Rose Brick Company, 103 Park avenue, New York. All shapes of common and red clay brick.

Rosen Brothers, 20 West Thirty-third street, New York. Ladies' shirt waists.

Rosenthal Brothers Company, 44 West Twenty-eighth street, New York. Waists.

The Rosenthal Company, 45 East Seventeenth street, New York. Rubber and composition erasers, solid rubber toy balls. Cable address, "Bouncer," New York.

Roslyn Fuel Company, Seattle, Wash. Coal.

William L. Ross & Company, 201 Bridge street, East Cambridge, Mass. Interior woodwork and fine furniture.

The Rossendale-Reddaway Belting and Hose Company, Euclid avenue, Newark, N. J. Camel hair belting, stitched canvas belting, solid woven cotton belting, Bird's "Bull's Eye" belting, linen fire hose. Cable address, "Reddaway," Newark. Code, Western Union.

Rossie Velvet Company, 95 Madison avenue, New York. Velvets. Foreign agents, Wm. Openhym & Sons, 11 Quai St. Clair, Lyons, France. Cable address, "Myhnepo," New York. Codes, Lieber's and A B C.

The Roth Shoe Manufacturing Company, 217 East Court street, Cincinnati, Ohio. Ladies' shoes.

The John C. Roth Packing Company, 1010 Oehler street, Cincinnati, Ohio. "Dove" brand hams, breakfast bacon, Picnic hams, blade shoulders, and refiners of lard.

The Rowbottom Machine Company, Waterville district, Waterbury, Conn. Cams, cam milling machines, disc-grinding machines, "Yankee" power bench presses, special machinery. Cable address, "Rowbottom," Waterbury. Code, Lieber's.

The Rowe Calk Company, Hartford, Conn. Sales office, Plantsville, Conn. Screw and drive removable horseshoe calks, cable carriers, wire carriers, pneumatic tubes and conveyors of all kinds, anti-skid and non-skid chains for solid tire motor trucks. Wholesalers of drilled horseshoes, calked horseshoes, "Cat-Foot" (non-slipping rope) horseshoes. Cable address, "Rowecalks," Hartford. Code, A B C Fifth edition.

The Rowe-Cromwell Company, 45 Market street, Amsterdam, N. Y. Straight and bias cut bindings. Jobbers of threads for manufacturers, cotton cloths and trimmings for garment makers and ivory and composition buttons. Cable address, "Rowecromwell," Amsterdam. Code, Western Union.

William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa. Leaf springs for automobiles.

Roxbury Carpet Company, 93 Summer street, Boston, Mass. New York office, 212 Fifth avenue. Ten wire tapestry rugs and carpets, Axminster rugs, velvet rugs. Cable address, "Saxonville," Boston. Code, A B C.

The Roy Woolen Company, 500 Broadway, Watervliet, N. Y. Woolen dress goods, broadcloths, cloakings, overcoatings, men's suitings, and carriage and automobile cloth.

Royal Furniture Company, 432 Monroe avenue, N. W., Grand Rapids, Mich. High grade household furniture including bedroom, dining room and library goods.

Royal Mantel and Furniture Company, Rockford, Ill. New York office, 609 Marbridge building. Dining room and library furniture.

Royal Manufacturing Company, Rahway, N. J. New York office, 2 Rector street. Cotton waste and woolen waste. Cable address, "Samjo," Rahway. Codes, A B C Fifth edition and Lieber's Five Letter edition.

Royal Typewriter Company, Inc., 364 Broadway, New York. Typewriters. Foreign agents: Visible Typewriter Co., London, England, and other principal cities of the world; Royal Typewriter Agency, Vancouver, Canada, and Victoria, Australia; B. Block, Moscow, Russia; J. B. Brandt, Stockholm, Sweden; M. Nisson Lie, Christiania, Norway.

John Royle & Sons, Straight and Essex streets, Paterson, N. J. Photo-engravers' machinery, routing machines, lining bevelers, saw tables, jig saws, micro-edgers, planers; jacquard card machinery, piano card cutters, repeaters, lacers; rubber tubing machinery, strainers for reclaiming rubber, electric wire insulating machinery; circular looms. Foreign agents: A. W. Penrose & Co., 109 Farringdon road, London, E. C., England; Middows Brothers, 73 Clarence street, Sydney, Australia; Henri Calmels, 150 Boulevard du Montparnasse, Paris, France; Niklaus & Co., Rua Sao Jose 64, Rio de Janeiro, Brazil. Cable address, "Royle," Paterson. Codes, A B C Fifth edition, Western Union and private.

F. S. Royster Guano Company, Norfolk, Va. Fertilizer and sulphuric acid. Cable address, "Roysterco," Norfolk. Code, A B C Fifth edition.

The Rubay Company, 1318 West Seventy-eighth street, Cleveland, Ohio. High grade automobile bodies for custom trade, completely upholstered and painted. Cable address, "Yabur," Cleveland.

Rubber and Celluloid Harness Trimming Company, 56 Ferry street, Newark, N. J. New York office, 39 Cortlandt street. Rubber and celluloid harness trimmings, celluloid rings for harness; shaving, tooth, hair, paint, varnish, kalsomine, glue and paste brushes made by the "Rubberset" process of holding the bristles. Cable address, "Rubberset." Newark. Code. Western Union.

Rubber Regenerating Company, Naugatuck, Conn. Export agents, United States Rubber Export Company, 1790 Broadway, New York. Reclaimed rubber of all grades. Cable address, "Ruberco," Naugatuck.

Rubin Brothers, 19 West Thirty-fourth street, New York. Ladies' cloaks and suits.

Rueckheim Brothers & Eckstein, Peoria, Harrison and Sangamon streets, Chicago, Ill. New York office, Bush Terminal building 20, Brooklyn. "Cracker Jack", "Angelus" Marshmallows, candies, chocolates, popcorn specialties; special attention given to high grade candies in screw top tins for export including gums, hard goods, pan work, creams, fudges, satin finished goods and penny pieces; also, a popular line in glass jars. Jobbers of everything known in confectionery. Exclusive sale agents for the Post automatic electric corn popper. Foreign agents, Lambert Sales Co., Manila P. I. (carry a complete stock). Cable address, "Crackjack," Chicago. Codes, Western Union, A B C Fifth edition, Armsby's Second edition, and private.

Rueff Brothers, 395 Broadway, New York. Jewelry of all kinds and optical goods. Jobbers of watches, razors, silver and silver-plated ware. Foreign agents: Julio Gonzalez, Aguacate 104 altos, Havana, Cuba; Camilio A. Caniglia, Calle Saluz Peña 1931, Buenos Aires, Argentina. Cable address, "Joyeria," New York. Codes, Lieber's and A B C Fifth edition.

The Fred Rueping Leather Company, Fond du Lac, Wis. Upper shoe leather in calf, kip and sides. Cable address, "Rueping," Fond du Lac. Codes, Widebrook, A B C Fourth and Fifth editions, Lieber's, Western Union and Tybo.

Rumford Chemical Works, 231 South Main street, Providence, R. I. Export agents, H. M. Anthony Co., 261 Greenwich street, New York. "Rumford" baking powder, phosphatic baking acid, "Horsford's" acid phosphate (medicinal). Foreign agents: Bellochio & Co., Buenos Aires, Argentina; Agostinho Ferreira & Irmao, Rio de Janeiro, Brazil; Bovril Co., Ltd., London, England. Cable address, "Rumford," Providence.

C. F. Rumpp & Sons, Inc., Fifth and Cherry streets, Philadelphia, Pa. New York salesroom, 411 Fifth avenue. Pocketbooks, card cases, ladies' hand bags, ladies' and gentlemen's toilet cases, cigar and cigarette cases, lawyers' brief cases, pocket flasks, first aid outfits, cuff and collar bags, writing cases, etc. Cable address, "Rumpson," Philadelphia. Code, A B C.

Jacob Ruppert, 1639 Third avenue, New York. Brewer of lager beer.

Russel Wheel and Foundry Company, Chene street and Belt Line, Detroit, Mich. Foundry machine shop and gear machinery products. Cable address, "Ruswheel," Detroit.

Russell, Burdsall & Ward Bolt and Nut Company, Port Chester, N. Y. Western office, 1840 Continental and Commercial Bank building, Chicago, Ill. Machine bolts of all kinds; common carriage bolts, Eagle carriage bolts; tire bolts; stove bolts; plow bolts; tap bolts; sleigh shoe bolts; cold punched nuts, hot pressed nuts; semi-finished nuts; finished case hardened nuts; castellated nuts, automobile nuts. Cable address, "Empire," Portchester. Codes, General, A B C Fourth and Fifth editions and Western Union Universal edition.

The Russell Manufacturing Company, Middletown, Conn. New York office, 349 Broadway. Suspenders, elastic and non-elastic webbing braids, cotton belting, automobile brake lining, multiple disc clutch rings, cone clutch facings, web halters, web harness and surcingles, army equipment webbing. Cable address, "Rusco," Middletown, Conn.

Russell-Miller Milling Company, Minneapolis, Minn. Flour. Code, Robinson's.

Russell & Erwin Manufacturing Company, Washington street, New Britain, Conn. New York office, 94 Lafayette street. Builders' hardware, locks and butts, door and window hardware, door checks, "Panic" exit bolts, food cutters, elevator door controllers, padlocks, bolts, night latches. Foreign agents, Russell & Erwin Mfg. Co., Ltd., London, England. Cable address, "Triangle," New Britain. All codes.

S. N. & C. Russell Manufacturing Company, Pittsfield, Mass. Broadcloths, kerseys and thibets.

Ruud Manufacturing Company, Twenty-ninth and Smallman streets, Pittsburgh, Pa. New York office. 115 Broadway. Gas water heaters and incinerators. Cable address, "Ruud," Pittsburgh.

The Ryan Soap Company, 2641 Spring Grove avenue, Cincinnati, Ohio. Yellow household rosin soaps and washing powder. Code, Western Union.

S. K. F. Ball Bearing Company, Hartford, Conn. "S. K. F. Self Aligning" radial, adapter and thrust ball bearings; "S. K. F. Self-Aligning" ball bearing hangers, post hangers and pillow blocks. Cable address, "Skayef," Hartford. Code, A B C Fifth edition.

The Safe-Cabinet Company, Marietta, Ohio. The safe-cabinet (classified as a safe by the Underwriters' Laboratories. Inc., Chicago, Ill.), and steel filing devices for safe-cabinets. Cable address, "Safcabnet," Marietta, Ohio. Code, Western Union.

The Safety Fire Extinguisher Company, 291 Seventh avenue, New York. "Safety" fire bucket tank, "Safety" fire extinguisher.

The Safety Insulated Wire and Cable Company, 114 Liberty street, New York. Rubber covered wire and cable of all descriptions, including aluminum, paper insulated light and power cables, varnished cambric insulated cable, insulating compounds and tapes, paper splicing tape.

Saginaw Manufacturing Company, Saginaw West Side, Michigan. New York office, 88 Warren street. "Gilbert" wood-split pulleys, "Gilbert" motor pulleys. Cable address, "Engrave," Saginaw or New York. Codes, A B C, Lieber's and Atlantic Cable.

Saginaw Plate Glass Company, Saginaw West Side, Mich. Polished plate glass.

Saginaw & Manistee Lumber Company, Williams, Ariz. Arizona soft pine of all different grades, lath, staves and heading, moulding, box shooks, box lumber, logging and wedges.

The St. John Wood Working Company, 462 Canal street, Stamford, Conn. Doors, sash, blinds, mouldings, turning, stairs, mantels, panel work and general woodwork.

St. Louis Brewing Association, 702 Wainwright building, St. Louis, Mo. Beer and by-products. Cable address, "Lager," St. Louis. Codes, Telegraphic and A 1.

St. Louis Screw Company, Clarence and Bulwer avenues, St. Louis, Mo. Bar iron, bolts, nuts, screws, washers, telegraph line material, automobile parts.

St. Mungo Manufacturing Company of America, 121 Sylvan avenue, Newark, N. J. New York office, 36 Warren street. "Colonel" golf balls. Jobbers of Crawford, McGregor & Canby Co.'s golf goods. Cable address, "Smungo," Newark. Code, Western Union.

St. Paul Roofing, Cornice and Ornament Company, St. Paul, Minn. Steel ceilings, architectural pressed zinc ornaments, portable fireproof buildings. Cable address, "Prudens," St. Paul.

St. Paul & Tacoma Lumber Company, Tacoma, Wash. New York office, 136 West Forty-fourth street. Douglas fir or Oregon pine, hemlock, red cedar, spruce lumber, rough or dressed, kiln dried or green; lath, cedar shingles, cedar bevel siding, flooring, ceiling, siding, finish; cedar telephone and telegraph poles, creosoted or untreated; fire and cedar piling; creosoted products of all kinds. Cable address, "Griggs," Tacoma. Codes, A 1, A B C, Watkins, Pacific Coast Lumberman's, Lumberman's Standard, Western Union Universal edition, Directory, Lieber's Standard, Telecode, Universal Lumber Code and MacMillen's.

---

to manufacturers whose names are given in this book.

Salisbury & Satterlee Company, 201 Main street, S. E., Minneapolis, Minn. Metal bedsteads, mattresses, pillows, spring beds, couches (metal), hospital furniture.

Salmen Brick and Lumber Company, Ltd., New Orleans and Slidell, La. New York office, care of C. L. Dimon, 32 Broadway. Long leaf yellow pine and hardwood lumber, knock-down houses, face brick, common brick, hollow tile, wooden lath and shingles. Jobbers of cement, lime and building materials of all descriptions. Foreign agent: Oswald A. Schlegel, Berne, Switzerland. Cable address, "Salmen," New Orleans. Code, American Lumberman's Telecode.

Salmon Falls Manufacturing Company, 50 State street, Boston, Mass. New York office, 320 Broadway. Coutils. sateens, marquisettes, duck and other grey goods.

Samoset Chocolates Company, 60 Commerce street, Boston, Mass. Confectionery, mostly chocolate bon-bons.

Samson Sieve-Grip Tractor Company, 1104 South Aurora street, Stockton, Cal. Sole selling agents, General Motors Truck Company, Pontaic, Mich. Samson 10-25 Sieve-Grip Tractor and Samson 6-12 Sieve-Grip Tractor. Cable address, "Gentruck," Pontiac.

Samstag & Hilder Brothers, 1200 Broadway, New York. Leather goods, ladies' bags, belts and wallets; all kinds of hair ornaments, buttons, celluloid toilet sets, notions, snap fasteners, popular priced jewelry and neckwear for ladies. Jobbers of fans, furs and Japanese novelties. Cable address, "Samhilbro," New York. Codes, A B C Fifth edition, Lieber's and Western Union.

The Sandusky Cement Company, 626 Engineers' building, Cleveland, Ohio. Under trade name "Medusa" white Portland cement, waterproofed white Portland cement and waterproofing; "Medusa" gray Portland cement and waterproofed gray Portland cement (not for export). Cable address, "Medusa," Cleveland. Code, Western Union.

Sandusky Tool Company, Sandusky, Ohio. New York office, 23 Warren street. Carpenters' wood planes, bench and moulding; wood planes for coopers; cabinet makers' clamps; eye hoes of German and planters' patterns; plane irons for wood planes; bench and hand screws made of wood. Cable address, "Santoolco," Sandusky. Code, Western Union.

Sandwich Manufacturing Company, Sandwich, Ill. Corn shelling machinery, baling presses, portable farm elevators, hay loaders, side delivery hay rakes, gasoline engines, kerosene engines, corn slicers, sweep feed mills, belt power feed mills. Cable address, "Smada," Sandwich.

The Sandy Hill Iron and Brass Works, Hudson Falls, N. Y. Pulp and paper mill machinery, including fourdrinier and cylinder paper machines. Cable address, "Ibwks," Hudson Falls. Code, Western Union.

Sanford-Day Iron Works, Inc., Knoxville, Tenn. Mine cars, industrial cars, quarry cars, ore cars, lumber trucks, logging cars, brick cars, cane cars, roller-bearing car wheels, mining tucks, axles, castings, car irons, forgings, sheaves and rollers, drums, tipples for mines, automatic dumps, "Whitney" wheels. Cable address, "Sanday," Knoxville. Code, Western Union.

Sanford Mills, 89 Franklin street, Boston, Mass. Factory at Sanford, Me. Textile manufacturers.

Sangamo Electric Company, Eleventh street and Converse avenue, Springfield, Ill. Export office, 50 Church street, New York. Alternating and direct current watthour meters, house service and switchboard types; direct current ampere-hour meters in various types for use with storage batteries, etc.; small circuit breakers and other detail electrical apparatus.

Foreign agents: Administration Robt. Kolbe, Petrograd, Russia; J. Dalman Montero, Barcelona, Spain; Morrison & Co., Valparaiso, Chile; J. F. Berndes & Co., Havana, Cuba; Thomas Bros., Melbourne, Australia; Sangamo Electric Co. of Canada, Ltd., 160 St. James street, Montreal and Toronto, Canada. Cable address, "Sangamo," Springfield, Ill. Codes, Western Union and A B C Fifth edition.

Sargent & Company, 94 Centre street, New York. Locks, builders' hardware, padlocks, tools, miscellaneous shelf hardware, coffin and casket hardware. Foreign agents: Edgar A. Reynolds, Mercaderes 22, Havana, Cuba; A. M. Fernandez, P. O. Box 787, San Juan, Porto Rico; Wm. H. Spencer, Avenida de Mayo 1364, Buenos Aires, Argentina; H. Molden, Box 1349 G. P. O., Sydney, Australia; G. H. Dunn, Ltd., P. O. Box 1430, Cape Town, South Africa; Anderson-Meyer & Co., Shanghai, China; John G. Rollins & Sons, London, England. Cable address, "Oakequal," New York. Codes, Western Union, A B C Fifth edition and Simplex.

C. G. Sargent's Sons Corporation, Graniteville, Mass. Wool washing machines, wool drying machines, automatic feeders, wool opening machines, wool dusting machines, carbonizing machines, crush roll machines, backwash machines, backwash dryers, automatic wool bagging machines, cotton stock dryers, yarn conditioning machines. Cable address, "Sargent," Lowell. Code, Western Union.

The Saugatuck Manufacturing Company, Saugatuck, Conn. New York office, room 810, 200 Fifth avenue. Silk, satin, velvet and washable buttons; vegetable ivory and metal buttons; silk head tacks for casket manufacturers and colored head tacks for map and routing purposes.

Saugerties Manufacturing Company, East Bridge street, Saugerties, N. Y. New York office, 395 Broadway. Blank books.

The Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa. Organizines; tram, fringe, twist and hosiery silks; fast dye organzines for woolen manufacturers, insulating silks for electrical purposes, silks for upholstery manufacturers, broad silks, dress silks, umbrella silks, linings, etc.

Savage Arms Company, 50 Church street, New York. "Lewis" automatic machine guns, small arms and pistols.

Saxonia Dress Goods Mills, 260 Fourth avenue, New York. Worsted dress goods.

Sayles Bleacheries, Saylesville, R. I. See National Tracing Cloth Company (owned and operated by Sayles Finishing Plants), Saylesville, R. I.

Fred L. Sayles Company, Pascoag, R. I. New York office, 25 Madison avenue. Worsteds, cotton worsteds, worsted piece dyes.

L. A. Sayre Company, Newark, N. J. Peach and apple parers, cabbage corers; punches: belt, ticket, arch, solid, revolving, spring and cattle; mason and garden trowels; adzes, axes, light weight; hammers: magnetic, tack, upholsterers'; plumbers' tools, as knives, box-wood tools, scrapers, solder pots; hatchets of all kinds; pruning shears and hooks; ice creepers; staple pullers, tack claws, crate openers, box scrapers, box, cotton and hay hooks; chisels, tap borers, saw sets, shingling gauges, fencing, pliers, countersinks, washer cutters, reamers, screwdriver bits, blow pipes, tinners' snips, melting or lead ladles, carpet stretchers, hide scrapers, brass grease boxes, stock markers, miners' candlesticks, stake irons; nail sets, rivet sets and eyelet sets. Cable address, "Lasayre," Newark. Code, Lieber's.

William B. Scaife & Sons Company, Oakmont, Pa. Steel tanks and structures.

Schaum & Uhlinger, Inc., Glenwood avenue and American street, Philadelphia, Pa. Narrow fabric looms for the weaving of ribbons, tapes, bindings, labels, webbing and asbestos brake lining; Jacquard machines, centrifugal extractors.

The Schaw-Batcher Company Pipe Works, 211 J street, Sacramento, Cal., and 356 Market street, San Francisco, Cal. New York office, 66 Reade street. Riveted plate steel and sheet steel pipe for power plants, water works and irrigation plants; water, oil and gas tanks; sheet and plate work of all descriptions. Jobbers of mining and general hardware.

William Scheer, 7 West Forty-fifth street, New York. Jeweler.

The M. B. Schenck Company, Meriden, Conn. Casters.

Schieffelin & Company, 170 William street, New York. Drugs, chemicals, pills, tablets, vaccines, antitoxins, biological products, pharmaceutical preparations, toilet requisites and "Steero" bouillon cubes. Foreign agents: Thos. Christy & Co., 4 Old Swan Lane, Upper Thomas street, London, England. Cable address, "Schieffelin," New York. Codes, A B C Fourth and Fifth editions, Lieber's, Standard, Western Union and Atlantic Cable Co.

Chas. A. Schieren Company, 30 Ferry street, New York. Oak tanned belting, "Duxbak" belting (waterproof and steamproof), link leather belting, lace leather, valve leather, hydraulic packing leather, round solid belting, round twist belting, rawhide rope. Cable address, "Schieren," New York. Codes, Lieber's, A B C Fifth edition and Improved editions, Simplex, New Business and Western Union.

William Schimper & Company, 322 Ferry street, Hoboken, N. J. New York office, 33 Union square, West. Toilet sets, comb and brush sets; hair brushes, hat and cloth brushes; military brushes and sets; manicure sets and fittings; card cases; vanities, puff and pomade jars; trinket boxes; bon-bon baskets; trays and vases; picture frames, calendars; thermometers; inkstands and desk fittings; hand, standing, shaving, swing and triplicate mirrors; whiskbrooms and holders; smokers' sets, ash receivers, cigarette and tobacco boxes, match safes, cigar jars; eyeglass and spectacle cases; soap boxes; novelties for advertising. Foreign agents: Francisco Cambrelang, Santa Cruz de Tenerife, Canary Islands; Abil Pinto & Co., Pernambuco, Brazil; Oscar D. O'Neill & Co., San Juan, Porto Rico; S. May & Co., Havana, Cuba; Emilio Petrilli, Guatemala, C. A.; Abascal y Ruiz, Seville, Spain; Fabrega & Garriga, Lima, Peru; Antonia Maria Rivera, Bogota, Colombia; H. Sorin, Lisbon, Portugal; Ravasio & Garbino, Montevideo, Uruguay; Wm. Schneider, Buenos Aires, Argentina; Giovanni Albertini, Milan, Italy; John Mizzi & Co., Valletta, Malta; J. Chaleyer & Co., Melbourne, Australia; M. E. Rabascall, Guayaquil, Ecuador. Cable address, "Schimco," New York. Codes, Western Union, Lieber's and A B C Fifth edition.

Joseph Schlitz Brewing Company, Milwaukee, Wis. High grade bottled beer, malt tonic. Cable address, "Schlitz," Milwaukee. Codes, A 1, A B C Fourth and Fifth editions, Lieber's and private.

Schmidt Lithograph Company, Second and Bryant streets, San Francisco, Cal. Labels, folding cartons, posters, booklets, show cards, stationery, lithographic work of all descriptions and corrugated paper products. Cable address, "Schmidt," San Francisco. Codes, Armsby and Western Union.

Schmidt & Ault Company, 423 King's Mill road, York, Pa. Paper: absorbent, black, bogus, bottle wrapper, box and barrel lining and layers, building, butchers' manilla, card middles, plain and corrugated carpet lining, light and heavy weight chip board for backing corrugated board, colored, heavy crêpe and heavy crinkled sheathing, news bogus, drawing,

heavy duplex, duplex board, fibre, furniture, ham, hardware, heavy wrapper, indented packing, lining, macaroni, mill wrappers, news board, paper stock board, black and green tailors' pattern, rag wrapping, screenings, saturating, tobacco waterproof, ice wrappers, news lining, car lining, specialties. Cable address, "Codorus," York.

C. Schmidt & Sons Brewing Company, 127 Edward street, Philadelphia, Pa. Lager beer; The Robert Smith Ale Brewing Company, Thirty-eighth street and Girard avenue, Philadelphia, Pa., ales, stouts, porter.

F. L. Schmidt Company, 150 Eleventh avenue, New York. Envelope machinery. Cable address, "Schmidtfel," New York.

Frank Schoble & Co., Tenth and Oxford streets, Philadelphia, Pa. Men's soft and stiff fine fur felt hats. Cable address, "Schoblec," Philadelphia. Codes, A B C and Lieber's.

Schoellkopf Aniline and Chemical Works, Inc. 351 Abbott road, Buffalo, N. Y. New York office, 100 William street. Coal tar dyes and products; aniline colors. "Steelkote" protective paints; "Niagara" waterproofing filler for concrete; "Buffalo" sanitary fluid. Cable addresses, Aniline," Buffalo; "Jubilant," New York. Codes, A B C Fourth and Fifth editions and Lieber's.

Schoellkopf & Company, Perry and Mississippi streets, Buffalo, N. Y. New York salesroom, 24 Spruce street. All kinds of sheep leather; also, white and black cabrettas for shoe stock. Cable address, "Kopf," Buffalo. Codes, Lieber's and A B C Fifth edition.

The A. Schoenhut Company, Adams and Sepviva streets, Philadelphia, Pa. Toys and novelties; such as, pianos, guns, swords, metallophones, xylophones, orchestra bells, shooting galleries, boats, all wood dolls. Export representatives, Wm. E. Peck & Co., 104 Pearl street, New York.

Schofield, Mason & Co., Fairhill, Cumberland and Reese streets, Philadelphia, Pa. Wilton and body Brussels rugs and carpets; also worsted, wool and jute carriage carpets. Cable address, "Smason," Philadelphia. Code, A B C Fourth edition.

William Scholes & Sons, Inc., Second street and Indiana avenue, Philadelphia, Pa. Woolen and worsted yarns.

The William Schollhorn Company, New Haven, Conn. New York office, 258 Broadway. Pliers, nippers, punches, etc. Cable address, "Schollhorn," New Haven.

A. Schrader's Son, Inc., 783 Atlantic avenue, Brooklyn, N. Y. Diving apparatus, brass fittings for rubber goods, "Schrader Universal" tire valves and parts, tire pressure gauges, pump connections, valve repair tools, quick acting dust caps. Foreign branches: 6 Earl street, London, Westminister, S. W., England; 20 Hayter street, Toronto, Ont., Canada. Cable address, "Airvalve," New York. Codes, Lieber's and A B C Fifth Improved edition.

W. F. Schrafft & Sons Corporation, 160 Washington street, North, Boston, Mass. New York office, 62 West Twenty-third street. Chocolate coated confectionery exclusively, breakfast cocoa, cocoa powder, chocolate coating for confectionery, sweet and milk chocolate in tablets. Cable address, "Schrafft," Boston. Code, A B C Fifth edition.

Schroeder Headlight Company, Inc., Evansville, Ind. Locomotive headlights.

The J. & F. Schroth Packing Company, Connany and Township streets, Cincinnati, Ohio. Slaughterers, beef and pork packers, refiners of lard.

H. Schultz & Company, 531 West Superior street, Chicago, Ill. Paper boxes.

---

to manufacturers whose names are given in this book.

A. Geo. Schulz Company, 417 Clybourn street, Milwaukee, Wis. Paper boxes, folding paper boxes.

M. Schulz Company, 711 Milwaukee avenue, Chicago, Ill. Pianos and player-pianos. Cable address, "Schulzco," Chicago.

Schutte & Koerting Company, Twelfth and Thompson streets, Philadelphia, Pa. "Koerting" injector, sand washing plants, steam-jet syphons, liquid heaters, air and gas moving jet apparatus, sulphur furnace for sulphurous acid, lead fittings, condensers of various kinds, spray nozzles for various liquids as varnish and acids, humidifiers, air filters and pumps, return and vacuum steam traps; various kinds of valves made of iron, steel, hard bronze and nickel bronze; pump governors, feed water heaters, heaters for oil and other industrial purposes; fumigating, heating and cooling systems for ships; re-cooling oil and water apparatus, mechanical oil burning plants, air-jet and steam-jet oil burners. Cable address, "Schutte," Philadelphia. Codes, A B C and Western Union.

Peter Schuttler Company, 2509 West Twenty-second street, Chicago, Ill. Farm wagons, heaving teaming gears. Cable address, "Schuttler," Chicago.

Max M. Schwarcz & Company, 137 Madison avenue, New York. Ladies' coats, suits and skirts. Foreign agents: E. Boas & Co., Paris, France. Cable address, "Emschwarcz," New York.

S. L. Schwartz (Crescent Costume Company), 29 West Thirty-fifth street, New York. Costumes and dresses.

Schwarzenbach, Huber & Company, 470 Fourth avenue, New York. Silks, dress silks, lining silks, washable silk fabrics, tie silks. Foreign agents: Robt. Schwarzenbach & Co., Zurich, Switzerland. Cable address, "Landis," New York. Code, A B C.

F. P. Scofield & Company, 50 Walnut street, Newark, N. J. Jewelers.

Scott-Graff Lumber Co., 2402 W. Michigan street, Duluth, Minn. White pine, Norway pine, jack pine, spruce, balsam, tamarack, Balm of Gilead, white cedar, birch, ash, elm and oak lumber; sash, doors, windows, mouldings, lath, bank and office fixtures.

Scott Paper Company, 701 Glenwood avenue, Philadelphia, Pa. New York office, 30 Church street. Standard brands of "Scottissue" towels and toilet papers only. Foreign agents: Fred L. Bradshaw, St. Johns, Newfoundland; Hubbard & Co., San Jose, Costa Rica; M. J. Novach, Athens, Greece; J. M. Porrata Doria, Ponce, Porto Rico; John J. Gill & Co., Panama, Panama; Harold Miller, Wellington, New Zealand; Juan M. Frechou, Montevideo, Uruguay; Francisco Saenz, Havana, Cuba; Eppenstein & Warren, Buenos Aires, Argentina; Abram de Sola, Curaçao, Dutch West Indies; Conrad & Son & Co., Georgetown, British Guiana. Cable address, "Scopaco," Philadelphia. All codes.

Scottdale Mills, Scottdale, Ga. Brown sheetings.

D. & H. Scovil, Inc., Higganum, Conn. Planters' eye hoes.

Scranton Bolt and Nut Company, Poplar street, Scranton, Pa. New York office, 120 Broadway. Bar iron, machine bolts, carriage bolts, bolt ends, blank bolts, coach and lag screws, track bolts, track spikes, screw spikes, dock spikes, hot pressed nuts, cold punched nuts, tie rods, etc. Cable address, "Scranbolt," Scrantonpennsylvania. Code, Western Union.

The Scranton Forging Company, 200 Green Ridge street, Scranton, Pa. Light automobile forgings, breaker teeth, conveyor links, mine bits, pruner forgings, grab hooks, ox shoes, forgings for light carriages and all kinds of light drop forgings to order.

Scripps Motor Company, 629 Lincoln avenue, Detroit, Mich. Export office, 17 Battery place, New York. Gasoline marine engines, kerosene marine engines. Cable address, "Namrawray," New York. Codes, A B C Fifth edition, Lieber's and Western Union.

Seabury & Johnson, 59 Maiden lane, New York. Medical, surgical and antiseptic specialties: porus plasters, "Benson's" and other medicinal and surgical plasters; adhesive, corn, bunion, court, kid and mustard plasters; surgical and antiseptic dressings, gauze, lint, cotton, jute oakum, wool; bandages of every variety; "Rawson" and "Saratoga" line of suspensory bandages; oiled silk and muslin; adaptable porous felt splints; catgut and silk ligatures; drainage tubes, antiseptic tablets, medicated soaps, sanitary cuspidors, sulphur candles, "Yankee" toilet powder; emergency surgical cases, railroad accident cases, first-aid military and household packages. Foreign agents: Fassett & Johnson, 86 Clerkenwell road, London, E. C., agents for Great Britain and colonies; Fassett & Johnson, 5 Barrack street, Sydney, N. S. W., depot for Australasia. Cable address, "Plasters," New York, Code, A B C Fifth edition.

Seaman-Sleeth Company, Forty-first street and Pennsylvania railroad, Pittsburgh, Pa. Rolls only. Cable address, "Seaman," Pittsburgh. Code, Western Union.

Sears Roebuck & Company, Chicago, Ill. Dry goods.

Seattle Car and Foundry Company, Seattle, Wash. Standard railway equipment, refrigerator, dump, logging and small industrial cars, all steel logging trucks, gray iron castings, bolts, upset rods and any kind of general forge work. Cable address, "Carco," Seattle. Codes, Western Union and Lieber's.

Seattle Cedar Lumber Manufacturing Company, 1540 West Forty-sixth street, Seattle, Wash. New York office, Grand Central Terminal building. Cedar lumber and shingles.

Seattle Construction and Dry Dock Company, Seattle, Wash. New York agents, Todd Shipyards Corporation, 15 Whitehall street. Steel ships of all kinds. Cable address, "Threedocks," Seattle. Codes, Western Union, A B C Fifth edition and Bentley's.

The Sechler & Company, 538 East Fifth street, Cincinnati, Ohio. Carriage work of all descriptions, carriages, carts, phaetons, buggies and wagons; also, automobile trailers, the "Trailmobile". Cable address, "Carriages," Cincinnati. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

D. M. Sechler Implement and Carriage Company, 601 Third avenue, Moline, Ill. Light pleasure vehicles: buggies, surreys, phaetons, road wagons, light spring wagons, road carts; planting machinery for corn and cotton; fertilizer distributors for planting machines; manure spreaders. Cable address, "Sechler," Moline. Code, Western Union.

Sefton Manufacturing Corporation, 1301 West Thirty-fifth street, Chicago, Ill. Factories in Brooklyn, N. Y., and Millbrook, Duchess County, N. Y. Corrugated fibre board, folding boxes and paper pails. Cable address, "Seftonile," Chicago. Code, Western Union.

H. A. Seinsheimer & Company, Cincinnati, Ohio. Men's and boys' clothing.

The Selby Shoe Company, Portsmouth, Ohio. Export office, 80 Wall street, New York. New York office, room 628, 47 West Thirty-fourth street. Ladies' shoes in medium and high grades, in welts, turns and McKays. Foreign agent, J. G. Tavares, room 417 B, Baucara building, Mexico City, Mexico. Cable address, "Selbyshoe," Portsmouth. Code, Western Union.

William Sellers & Company, Inc., 1600 Hamilton street, Philadelphia, Pa. Machine tools for working iron and steel, viz.: boring and turning mills, drilling and boring machines, drill grinders, axle lathes, car wheel lathes, driving wheel lathes, planing machines, slotting machines, steam hammers, injectors for feeding water to boilers, shafting and power transmission machinery, sand mixing machines for foundries. Cable address, "Sellers," Philadelphia. Codes, A B C, A 1, Lieber's Western Union and New Business.

The Seneca Falls Manufacturing Company, Seneca Falls, N. Y. Lathes, 9, 11, 13 and 12, 14 and 16-inch swing; also, speed and wood lathes, engine lathes and attachments. Foreign agent: C. W. Burton, Griffiths, London, England. Cable address, "Davis," Seneca Falls. Codes, Lieber's and Western Union.

Seneca Glass Company, Morgantown, W. Va. New York office, 1140 Broadway. High grade lead and lime blown tumblers; lead blown stemware, cut, etched and enameled; jugs, nappies, etc.

The Seng Company, 1450 Dayton street, Chicago, Ill. Extension table locks, typewriter desk devices, corner locks for wood and metal beds, attachments for sofa and Davenport beds, tube caps for metal beds, mould plates for metal beds, box couch fixtures, couch head hinges, rocker springs, top supports for kitchen cabinets, "K-K" collapsible iron beds, steel stampings.

The Sessions Clock Company, Forestville, Conn. New York office, 37 Maiden lane. Automobile clocks and clocks of every description. Foreign agents: William E. Peck & Co., 104 Pearl street, New York, for Australia and New Zealand; J. S. Hind & Co., 6 Eldon street, Finsbury Pavement, London, E. C., England, for Great Britain. Cable address, "Sessclock," Bristol. Code, Western Union.

Seton Leather Company, 62 Verona avenue, Newark, N. J. Patent and chrome white side leather, patent and chrome white colt skins for shoe uppers, also pickled cow hide splits. Cable address, "Setonbrand," Newark. Codes, A B C Fifth edition, Western Union Universal edition and Lieber's Standard edition.

S. Severance Manufacturing Company, Glassport, Pa. New York agents, Fuller Brothers & Co., 139 Greenwich street. Rivets: boiler, tank, structural, ship. Cable address, "Severance," Glassport. Code, Western Union.

The Seybold Machine Company, Dayton, Ohio. Machinery for bookbinders, printers, lithographers, paper mills, paper box makers, paper houses, textile manufacturers, sample card houses. Foreign agents: Smyth-Horne, Ltd., London, England. Cable address, "Seyboldco," Dayton. Codes, Western Union and A B C Fifth edition.

The Seymour Manufacturing Company, Seymour, Conn. German silver, pure nickel sheet and wire, rolled pure nickel and cast nickel anodes, brass and cartridge brass discs, cupro nickel and copper driving bands. Cable address, "Seymourco," Seymour.

B. M. Shanley, Jr., Company, 11 Governor street, Newark, N. J. New York office, 527 Fifth avenue. Platinum, gold and silver jewelry and novelties, mesh bags, cigar cases, buckles.

Shapleigh Hardware Company, St. Louis, Mo., New York office, 15 Whitehall street. Axes, enameled ware, cutlery, builders' hardware (locks) automobile tires, bicycles. Jobbers of tools of all kinds, house furnishing goods, sporting goods, automobile accessories and all kinds of general hardware. Cable address, "Shapleigh," St. Louis. Codes, Western Union and A B C Fifth edition.

The Sharples Separator Company, West Chester, Pa. Cream separators, mechanical milkers, milk clarifiers, whey separators, gasoline engines. Jobbers of dairy machinery in general. Cable address, "Sharprus," Philadelphia. Codes, A B C Fifth edition, Lieber's Standard, Lieber's Five Letter and Western Union.

The Shaw-Walker Company, 421 Division street, Muskegon, Mich. New York store, 60 Franklin street. Sectional and solid filing cabinets of steel and wood and supplies for same; such as, cards, guides, indexes, folders, etc. Foreign agents: Shaw-Walker Co., 33 St. Bride street, London, England. Cable address, "Shawalk," Muskegon. Codes, Western Union and A B C.

Sheboygan Chair Company, Sheboygan, Wis., Chairs.

Sheffield-King Milling Company, 38 Chamber of Commerce, Minneapolis, Minn. Flour, wheat offal. Foreign agents: W. M. Read & Co., London, England; Wm. McLetchie, Belfast, and W. W. Warnock, Dublin, Ireland; Wilson & Dunlop, Leith, and Dunlop Bros., Glasgow, Scotland; S. V. Kohl, Copenhagen, Denmark; Jose Marti, Santiago, Cuba. Cable address, "Sheffield," or "Kingmin," Minneapolis. Codes, Riverside and Lieber's.

Shelbourne Mills, H., Westmoreland and Shelbourne streets, Philadelphia, Pa. New York office, 215 Fourth avenue. Men's wear, cotton worsteds and all worsteds.

Sheldon Axle and Spring Company, Wilkesbarre, Pa. Vehicle axles and springs for horse drawn and motor propelled vehicles. Export agents: Chipman. Ltd., 8 Bridge street, New York; W. V. Brown, 11 Broadway, New York. Cable address, "Sheldonaxle," Wilkes-Barre. Codes, Western Union and Manufacturers.

Henry Shenk Company, Twelfth and Sassafras streets, Erie, Pa., Interior woodwork.

Shepard & Morse Lumber Company, 201 Devonshire street, Boston, Mass. New York office, 200 Fifth avenue. White pine, spruce, red pine lumber; maple and birch flooring. Cable address, "Lumber," Boston. Codes, Lieber's, Southards and Telecode.

Sherman & Sons Company, 381 Fourth avenue, New York. Everything in plain white cotton dress goods, white and colored fancy dress goods, skirtings, aeroplane cloths, balloon cloths, typewriter cloths and quilts. Foreign agents: Juan H. Kubies, Buenos Aires, Argentina; C. N. Atlee, Rio de Janeiro, Brazil; H. Orostica, Santiago, Chile; Monch y Yanes, Caracas, Venezuela; David Vos, Curaçoa, D. W. I.; Joosten & Murrie, Wellington, New Zealand; E. R. Sabates, Havana, Cuba; Reuben R. Gomes, Georgetown, British Guiana; Max Vollmand, Copenhagen, Denmark; J. Oertley, Toronto, Canada; A. J. Courmettes, Paris, France; F. Hoslam & Co., Manchester, England; Louis de Sterke, Rotterdam, Holland; A. Graham France & Co., London, England; Wm. Lutge, Zürich, Switzerland. Cable address, "Mansonsher," New York. Codes, A B C Fifth edition and Lieber's.

The Sherwin Williams Company, 601 Canal road, Cleveland, Ohio. Export office, Newark, N. J. New York office, 116 West Thirty-second street. Paints, varnishes, varnish stains, color varnishes, dry and pulp colors, dyes, white lead, wood preservatives, insecticides, coal tar products, linseed oil soap, automobile varnishes, zinc pigments, chemicals and intermediates. Cable address, "Sherwin," New York. Codes; Lieber's, Western Union and private.

Sheuerman Brothers, Inc., Eighth and Market streets, Des Moines, Iowa. Men's mackinaw coats, women's walking skirts.

Shevlin, Carpenter & Clarke Company, 900 First National Soo Line building, Minneapolis, Minn. See Crookston Lumber Company, Minneapolis, Minn.

The Shevlin-Hixon Company, 900 First National Soo Line building, Minneapolis, Minn. California white pine lumber and lath; sash, doors and boxes.

James Shewan & Sons, Inc., Foot of twenty-seventh street, Brooklyn, N. Y. Drydocks and ship repairs. Cable address, "Shewans," Brooklyn, N. Y.

Samuel J. Shimer & Sons, Milton, Pa. Cutter heads, cutters, knives and bits for working wood.

Lewis F. Shoemaker & Company, Pottstown, Pa. Export office, 45 Broadway, New York. Constructors of railroad bridges, steel buildings, mill buildings.

Shore Instrument and Manufacturing Company, Inc., 555 West Twenty-second street, New York. Scleroscope for hardness testing, pyroscope, a heat indicator, enamelite for selective hardening. Foreign agents: For England and colonies, Coates Machine Tool Co., Ltd., London; for France, Aux Forges de Vulcain, Paris; for Russia, Iznosskiff Suckau Co., Petrograd; for Japan, Yamatake & Co., Tokio. Cable address, "Shoreinst," New York.

Showers Brothers Company, Bloomington, Ind. Kitchen cabinets, dressers, chiffoniers, stands, buffets, sideboards, beds, dressing tables, library tables, kitchen tables.

The Shredded Wheat Company, Niagara Falls, N. Y. New York office, 404 Woolworth building. Shredded whole wheat biscuit, shredded whole wheat triscuit. Foreign agents: The Shredded Wheat Co., Ltd., General buildings, Aldwych, London, England. Cable address, "Wheatshred." Niagara Falls. Code, Western Union.

Shreve & Company, Post street and Grant avenue, San Francisco, Cal. Jewelers and gold and silver smiths.

Shuler & Benninghofen, Hamilton, Ohio. Papermakers' felts and jackets, also bed blankets, crib blankets, Jacquard wrapper blankets, Jacquard Indian blankets and shawls. Foreign agents: A/S G. Hartman, Christiania, Norway; Boris S. Kahanoff, Petrograd, Russia. Cable address, "Felts," Hamilton. Code, Western Union.

The F. B. Shuster Company, 133 Mill River street, New Haven, Conn. Automatic wire straightening and cutting machinery, elastic rotary blow riveting machinery, straightening and cutting machinery for square, hexagon and flat stocks. Foreign agents: Chas. Churchill & Co., 9 Leonard street, London, England: Fenwick Freres, Paris, France. Cable address, "Adt," New Haven. Codes, Lieber's and Western Union.

Shuttleworth Brothers Company, Foot of Elk street, Amsterdam, N. Y. New York selling agents, W. & J. Sloane, Fifth avenue and Forty-seventh street. Brussels and Wilton rugs and carpets.

Sibley Machine Company, South Bend, Ind. Power drill presses. Foreign agents: Alfred Herbert, Ltd., Coventry, England; Wilhelm Sonesson & Co., Malmo, Sweden. Cable address, "Sibleyware," South Bend. Codes, Lieber's, Western Union Universal edition and private.

The Sigourney Tool Company, Hartford, Conn. Sensitive drill presses; bookbinders' machinery: machines for sewing books, trimming books, gluing and pasting sheets of paper or cloth, forming backs of book covers, cutting up cloth for book covers, casing in books and making book cases. Cable address, "Sigtool," Hartford. Code, Western Union.

Silver Manufacturing Company, Salem, Ohio. Export offices, Salem, Ohio, and 90 West street, New York. Drilling machines, including hand and power post drills, upright base drills, stationary and sliding head, radial drills and gang drills; portable forges; jointers, swing saws, band saws and saw tables; feed and ensilage cutters, shredders, alfalfa cutters, feed grinders, root and vegetable cutters. Foreign agents: A. Asher Smith, 56 Market street, Sydney, Australia, for Australasia; W. A. Forbes, P. O. Box 1664, Cape Town, South Africa. Cable address, "Silver," Salem, Ohio. Codes, A B C Fourth, Fifth and Fifth Improved editions, Western Union and Lieber's.

Silver & Company, Inc., 304 Hewes street, Brooklyn, N. Y. Household inventions, bath fixtures, blue flame cook stoves, fancy coasters and trays.

Silverstein Brothers (Star Skirt Company), 15 East Twenty-sixth street, New York. Skirts of cotton, wool and silk materials.

The Simmons Company, 60 Pearl street, Kenosha, Wis. New York office, 106 Wall street. Brass and iron beds, cots, cribs, mattresses, folding chairs, etc. Foreign agents: Francisco Fernandez, P. O. Box 1772, Havana, Cuba; E. F. Rodriguez, P. O. Box 67, San Juan, Porto Rico; A. Johnston & Co., P. O. Box 49, Port of Spain, Trinidad; Albert Taylor, 13a Canton road, Shanghai, China. Cable address, "Zgs," Kenosha. Codes, A B C Fifth edition and Western Union.

R. F. Simmons Company, 191 North Main street, Attleboro, Mass. New York office, 9 Maiden lane. Waldemars, necks, pendants and eye-glass chains in 10-kt. gold; automatic eye-glass reels, beads, belt chains, bracelets (secret lock, expansion and watch), brooches, chatelaine watch pins, cigar cutters, cigar cutter fobs, dickens chains, eye-glass chains, metal and ribbon fobs, golf chains, key chains, lapel chains, lockets, lorgnette or guard chains, necklaces, pony chains, sautoirs or watch necks, seals, tie clasps, vest chains, waldemar chains and findings (bars, swivels, spring rings, etc.), in gold filled. Foreign agents: H. E. Heacock Co., Manila, P. I.; J. E. Barbosa, Rio de Janeiro, Brazil; D. Epstein, Moscow, Russia; Chas. A. Pope, Buenos Aires, Argentina; Luis G. Roca, Barcelona, Spain.

R. & H. Simon Company, Union Hill, N. J. New York office, 254 Fourth avenue. Dress silks, lining silks, tie silks, ribbons, velvets.

Simonds Manufacturing Company, Fitchburg, Mass. Export office, 90 West Broadway, New York. Circular saws, inserted point saws, band saws, cross cut saws, hand saws, hack saws, cold metal saws, slotting and slitting saws, inserted tool metal saws, automobile discs, bitts and shanks for saws; belt, cane, tobacco, paper and wood working machine knives, high speed steel knives; armor plate; steel; files. Jobbers of emery wheels. Cable address, "Simanco," New York. Codes, A B C Fourth and Fifth editions, Western Union and Lieber's Five Letter edition.

A. A. Simonds & Sons Company, Dayton, Ohio. Eastern office, 60 Peck avenue, Newark, N. J. Paper knives, machine knives, bars, plates, shear blades.

Ernest Simons Manufacturing Company, Port Chester, N. Y. New York office, 25 Madison avenue. Nightrobes, pajamas, sheets and pillow cases.

Simplex Automobile Company, New Brunswick, N. J. Automobiles.

Simplex Wire and Cable Company, 201 Devonshire street, Boston, Mass. Insulated electric wires and cables. Cable address, "Innosam," Boston. Codes, A 1, Western Union Universal edition.

The Simpson & Doeller Company, 2800 East Preston street, Baltimore, Md. New York office, Hudson Franklin building. Printed labels, folding paper boxes.

---

to manufacturers whose names are given in this book.

T. M. Sinclair & Company, Ltd., Cedar Rapids, Iowa. New York offices, 1 Broadway and 446 East Fourteenth street. Dressed beef, pork and veal; hams, bacon, sausage, lard and lard substitutes; hides and pelts. Jobbers of oleomargarine. Foreign branches: 12 North John street, Liverpool, England; 104 Brunswick street, Glasgow, Scotland. Cable address, "Sinclair," Cedar Rapids. Codes, Western Union, A B C and private.

Singleton Silk Manufacturing Company, Dover, N. J. Thrown silk. Jobbers of silk and yarns.

Skandia Furniture Company, Rockford, Ill. Dining room furniture: buffets, china closets, servers, tables, chairs and tea wagons; library furniture: bookcases, tables, ladies' desks, spinet desks, sectional bookcases.

The Skeele Coal Company, 90 West street, New York. Bituminous coal. Jobbers of anthracite coal, foundry and furnace coke.

The Skenandoa Cotton Company, Utica, N. Y. Hosiery yarns, sold direct to the knitting trade.

The Skinner Chuck Company, 344 Church street, New Britain, Conn. New York office, 94 Reade street. Lathe, drill and planer chucks, face plate jaws. Foreign agents, The Skinner Chuck Co. (Theo. Butler, Ltd.), 149 Queen Victoria street, London, England. Cable address, "Skinner," New Britain. Codes, Lieber's and private.

Skinner Engine Company, Erie, Pa. New York office, 165 Broadway. Automatic uniflow and counterflow engines.

William Skinner & Sons, Holyoke, Mass. New York office, 47 East Seventeenth street. Skinner's silks, satins and taffetas, silk linings of every description, and braids. Cable address, "Kilverita," New York. Code, Western Union.

Sleeper & Hartley, Inc., 68 Prescott street, Worcester, Mass. Wire machinery: machines for coiling, setting, grinding and hooking springs; wire straightening and cutting machines; music wire straightening and bundling machines; machines for crimping, pointing and flattening wire; automatic machines for making spiral forms and rings, automatic machines for making wire forms for reinforcing concrete; tungsten filament and resistance coil winding machines; flexible shaft coiling machines, flexible case and flexible metallic tubing coilers; staple, wire nail and double point tack machines; swagers for screw wire; lock washer outfits. Foreign agents: Edgar Bloxham, 12 Rue du Delta, Paris, France, for France, Belgium and Switzerland; F. A. Perry, Ormond House, 63 Queen Victoria street London, E. C., England. Cable address, "Sleeper," Worcester. Code, A B C Fifth edition.

Sligh Furniture Company, Grand Rapids, Mich. New York office, Marbridge building. Bedroom furniture: wooden beds, dressers, chiffoniers, dressing tables, writing tables, night tables, chairs, chifforobes, costumers, grip stands, etc. Cable address "Sligh" Grand Rapids.

Slocum, Avram & Slocum, Inc., 531 West Twenty-first street, New York. Export agents, Slocum, Avram & Slocum Trading Co., 44 Whitehall street, New York. Electrical instruments, productographs, recording and other automatic instruments, gauges, jigs and fixtures, motion picture machines. Jobbers of general merchandise of all sorts, especially foodstuffs, fuel, oils, dry goods and machinery. Foreign agents: Saul Amar, Salonica, Greece; William R. Comings & Co., London, England; Alex. C. Economidis, Barcelona, Spain. Cable address, "Slocumite," New York. Codes, A B C Fifth edition, Western Union and private.

Sloss-Sheffield Steel and Iron Company, Birmingham, Ala. Pig iron and coke; miners of ore and limestone. Cable address, "Jacksloss," Birmingham, Ala. Codes, A 1, Western Union and private.

The Smeed Box Company, 1878 Scranton road, Cleveland, Ohio. Wooden packing boxes, box shooks, crating.

Smith Brothers, 134 North Hamilton street, Poughkeepsie, N. Y. New York office, 353 Fifth avenue. Smith Brothers' S. B. cough drops and chewing gum. Cable address, "Smibros," Pokeepsieny.

Smith Paper Company, Lee, Mass. Carbon paper, cigarette paper, copying papers, nitrating papers, condenser papers, wrapping tissues for silverware, bible and India papers and various other high grade specialties in tissue weight.

The Smith-Worthington Company, Hartford, Conn. New York office, 40 Warren treet. Harness, saddles, bridles, leggins, horse collars, horse clothing, lap robes. Jobbers of saddlery hardware and horse brushes. Cable address, "Rhodium," New York. Codes, Western Union.

Smith & Caffrey Company, 1425 North Salina street, Syracuse, N. Y. New York office 50 Church street. Grey iron castings, ornamental iron, structural steel, moulding snap flasks.

Smith & Dove Manufacturing Company, Andover, Mass. Linen threads, yarns and twine. Cable address, "Torr," Andover. Code, Western Union.

The Smith & Egge Manufacturing Company, Bridgeport, Conn. New York office, 258 Broadway. Sheet metal goods, sash, plumbers', ladder and jack chains, ticket and belt punches and gas pliers. Cable address, "Bantam," Bridgeport. Code, A B C.

Smith & Kaufmann, 19 East Twenty-sixth street, New York. Silk ribbons and hat bands. Jobbers of millinery and velvet ribbons.

Smith & Sons Manufacturing Company, 1500 Guinotte avenue, Kansas City, Mo. Wheeled scrapers, drag scrapers, buck or Fresno scrapers, township and railroad plows, bottom dump wagons, road graders, rock crushers, road rollers, road drags.

Smith & Wesson, Springfield, Mass. Revolvers, target pistols and automatic pistols. Cable address, "Smitwesson," Springfield, Mass.

The Smith & Winchester Manufacturing Company, South Windham, Conn. Paper mill machinery, cloth and paper cutters, paper bag machinery, die presses.

A. O. Smith Company, Twenty-seventh street and Keefe avenue, Milwaukee, Wis. Automobile parts, frames, housings, etc.; steel stampings, forgings, "Smith" motor wheels.

The A. P. Smith Manufacturing Company, Norman and Lawrence streets, East Orange, N. J. "Smith" tapping machines, valve inserting machines, fire hydrants, sleeves and valves, lead melting furnaces, corporation tapping machines, pipe cutting machines, calking machines, lead joint removers, valves, brass goods, Grove electric indicator, removable plugs, general water works supplies. Foreign agents: B. Braunstein, Calle Baimes 88, Barcelona, Spain. Cable address, "Smithco," East Orange. Codes, A B C, Western Union and Atlantic Cable.

Edward Smith & Company, 127 West avenue, Long Island City, N. Y. Automobile, carriage, railway and architectural varnishes, enamels, dryers and colors ground in japan and oil; piano and furniture varnishes; farm implement paints; "Durable Metal Coating" for steel and telephone and telegraph cables; black and white surfacers for air drying or baking. Cable address, "Salmonet," New York. Code, Western Union.

F. G. Smith, 774 Fulton street, Brooklyn, N. Y. Pianos, player-pianos.

Frank F. Smith Metal Window Hardware Company, 81 Clay street, Newark, N. J. Bar sash lifts, sash fasteners, pulls and pulleys, butts, casement fasteners, door pulls, exit and panic exit locks, fusible links, lavatory catches, metal window fixtures, push plates, school house sets, "S" hooks, transom catches, umbrella holders, window hardware and Cremorne bolts.

The G. Edwin Smith Shoe Company, Columbus, Ohio. Women's medium grade shoes.

H. B. Smith Machine Company, Smithville, N. J. New York office, 50 Church street. Wood working machinery: planers, surfacers, jointers, molders, shapers, double-end tenoners, single-end tenoners, reciprocating mortisers, hollow chisel mortisers, band saw machines, saw benches, universal saw benches, self-feed rip saws, cutting off saws, automatic cut off saw machines, sanders and boring machines, wood lathes, etc. Cable address, "Smith," Smithville. Standard codes and private.

Joseph N. Smith & Company, 2491 East Grand boulevard, Detroit, Mich. Automobile wind shields, automobile body hardware, such as locks, hinges, top hardware, robe rails, foot rests, door handles, etc. Jobbers of aluminum body mouldings, steel body mouldings, piano hinges or continuous hinges. Cable address, "Josmith," Detroit.

M. R. Smith Lumber and Shingle Company, Kansas City, Mo. Eastern sales office, Toledo, Ohio. Washington red cedar shingles. Jobbers of fir and spruce lumber.

Martin H. Smith Company, 150 Lafayette street, New York. Ergoapiol (Smith), glyco-heroin (Smith). Cable address, "Ergosmith," New York.

S. Morgan Smith Company, York, Pa. Hydraulic turbines, governors, head gate irons, sluice gates, gate valves. Cable address, "Success," York. Codes, Western Union Universal edition, A B C Fourth edition, Lieber's and private.

Smooth-On Manufacturing Company, 572 Communipaw avenue, Jersey City, N. J. Smooth-On Iron cements for iron and steel, Smooth-On Iron cement for repairing concrete, Smooth-On Iron concrete paint. Cable address, "Smoothon," Jersey City. Codes, A B C Fourth and Fifth editions and private.

Smyser-Royer Company, Beaver and North streets, York, Pa. Philadelphia office, 1225 Race street. Architectural and ornamental metal work, especially lamp standards, lanterns, brackets, spiral stairs and marquees.

The Snare & Triest Company, 233 Broadway, New York. Foreign branch, Zulueta 36 D, Havana, Cuba. General contractors, making a speciality of railroad terminals, harbor and waterfront improvement work, piers, sheds, coal-handling plants, etc. Cable address, "Santee," New York. Codes, Western Union and Bensinger.

The Snead & Company Iron Works, foot of Pine street, Jersey City, N. J. Book stacks for libraries, museum cases, storage racks, metal shelving, molding machines and castings. Cable address, "Snead," Jersey City. Codes, Western Union and A B C.

Snellenburg Clothing Company, Broad and Wallace streets, Philadelphia, Pa. New York office, Fifth Avenue building. Men's, young men's and children's clothing; summer clothing. Cable address, "Snelly," Philadelphia.

W. W. Snyder Manufacturing Company, Inc., 45 Oneida street, Cohoes, N. Y. Paper boxes and box boards.

Sohmer & Company, 315 Fifth avenue, New York. Pianos and player pianos. Foreign agents: Enrique Soro, Casilla 181, Santiago, Chile.

Mannie Solomon Company, Inc., 31 East Thirty-first street, New York. Costumes.

The Solvay Process Company, Syracuse, N. Y. Sales agents, Wing & Evans, 22 William street, New York. Soda ash, caustic soda, bicarbonate of soda, pure sesqui-carbonate of soda, all grades of modified sodas, causticized ash, crown filler (pure hydrated calcium sulphate), calcium chloride (solid, granulated and liquid), commercial grades of salt and limestone, pulverized and graded sizes. Cable address, "Solvay," Syracuse.

John Sommer Faucet Company, corner of Central and Morris avenues, Newark, N. J. Wooden faucets: "Peerless", "Perfection", "I. X. L." cork lined, "O. K." cork lined, "Diamond" lock, cork lined, lock, cedar, locust, cherry, butternut, maple, black walnut, mahogany, ivy wood, boxwood, rosewood, lignumvitæ key, cedar key, metal key, leather lined; brewers' candle sticks, bungs, corkers, clothes line reels, air vents, bung starts, cider taps and plugs, caster wheels, dumb-bells, extensions, fish line reels, grainscoops, handles, hose menders, Indian clubs, ten pin balls, lime and lemon squeezers, muddlers, mallets, measures, malt shovels, potato mashers, rolling pins, spiles, telegraph pins and brackets, sawdust, oil and molasses gates and all kinds of wood turning.

Son & Ash, 105 Madison avenue, New York. Ladies' waists.

Leonce M. Soniat, Dorcyville, La. Sugar and molasses.

Souter Silk Manufacturing Company, 390 Fourth avenue, New York. Broad silks.

The South Amboy Terra Cotta Company, South Amboy, N. J. Terra cotta.

South Bend Chilled Plow Company, South Bend, Ind. Plows: chilled steel, sulky, gang, engine gang, disc, shovel, road and grading, cultivators, harrows, stalk cutters, orchard and vineyard tools, potato diggers, listers and planters. Foreign agents: Primo Sindacato Agrario Cooperativo, Milan, Italy; Diaz Vidaurreta y Cia, Madrid, Spain; John Burns & Co., Auckland, New Zealand; Societe Financiere et Commerciale Franco-Bresilienne, Sao Paulo, and Pontul & Primo, Pernambuco, Brazil; Lago, Oppenheimer & Cia, Havana, Cuba. Cable address, "Chilled," South Bend. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Southard Robertson Company, 257 Water street, New York. Works at Peekskill, N. Y. Stoves and ranges for coal, wood and gas; furnaces for house heating; grey iron castings; cast iron lawn vases. Cable address, "Diapason," New York. Code, A B C.

Southern California Iron and Steel Company, Box N, Arcade station, Los Angeles, Cal. Bar steel, deformed and square twisted for concrete work, round, square and flat merchant steel bars, bolts, nuts, lag screws, all kinds of special bolts and special carbon steel bars. Cable address, "Calindco," Los Angeles. Code, Western Union.

The Southern Cotton Oil Company, 120 Broadway, New York. Cotton seed products: oil, meal, cake, lint and hulls; lard compound, cooking and salad oils. Foreign agent: E. M. Green, special agent, 21 Rue du Louvre, Paris, France. Cable address, "Socotoilco," New York. Standard and private codes.

The Southern Manufacturing Company, Richmond, Va. New York office, 100 Hudson street. Baking powder, cans and mailing tubes.

The L. B. Southwick Company, Peabody, Mass. Sheepskins. Cable address, "Suick," Peabody.

---

to manufacturers whose names are given in this book.

Sowers Manufacturing Company, 1300 Niagara street, Buffalo, N. Y. New York office, 39 Courtlandt street. Steam jacketed apparatus: kettles (cast iron), vacuum pans; chemical apparatus; soap making machinery; agitators, mixers, evaporators, stills, autoclaves. Jobbers of vacuum pumps, condensers. Cable address, "Doppco," Buffalo. Code, Western Union.

Spang, Chalfant & Company, Inc., P. O. Box 451, Pittsburgh, Pa. Standard pipe, oil country goods, large O D pipe and steel boiler tubes.

Spang & Company, Butler, Pa. Gas engines, pumping jacks, bailing machines, gas and air compressors, drilling and fishing tools of all kinds, sand pumps, bailers and packers.

E. J. Spangler Company, 1237 North Howard street, Philadelphia, Pa. Envelopes.

Spanjer Brothers, Inc., foot of Centre street, Newark, N. J. Wood sign material, patterns, moulds, frames, etc.

The Sparks-Withington Company, Jackson, Mich. New York office, Columbus Circle building. "Sparton" motor horns, radiators, radiator fans, vacuum gasoline systems. Foreign agents: Seymour Obermer, 18 Rue Brunel, Paris, France. Cable address, "Sparton," Jackson, Mich.

Speakman Supply and Pipe Company, Riverview Works, Wilmington, Del. Export agents, Francis H. Love Co., 109 Broad street, New York. New York agent, L. J. MacMahon, 30 East Forty-second street. All styles of shower baths and plumbing fixtures sold under the trade names: "Speakman" showers, "Mixometer" shower valve, "Niagara" showers, "Unit" lavatory fixtures, "Acto" lavatory pop-up waste, "Unit-Acto" lavatory fixtures, "Kas-Bras" shower head, "Speakman-Stratton" hospital valve.

E. L. Spencer Company, 95 Chestnut street, Providence, R. I. New York office, 17 Maiden lane. Solid gold jewelry, rings, brooches, scarf pins, ear rings, pendants, crosses, tie clips, link buttons, cuff pins, baby pins and chains. Cable address, "Penseco," Providence.

Sperry Flour Company, 332 Pine street, San Francisco, Cal. Wheat flour in patent, bakers' and export grades, entire wheat flour, graham and rye flour, "Germea" wheat cereal, and stock and poultry foods. Cable address, "Sperry," San Francisco. Codes, A B C Fifth edition, Lieber's and Western Union.

Spiegel Furniture Company, Shelbyville, Ind. Low priced chiffoniers, dresses, washstands and kitchen cabinets.

William Spink, Manayunk, Philadelphia, Pa. Wool shoddies and woolen yarns.

Splitdorf Electrical Company, 98 Warren street, Newark, N. J. New York office, 7 West Sixty-first street. Magnetos, starting motors, lighting generators. Foreign agents: American Supplies Company, 162 Great Portland street, London, W., England; Societe Auxiliaire l'Amerique du Nord, 35 bis Rue d'Anjou, Paris, France; Compagnia Italiana Magneti Americani, Via Principe Anedo 11, Milan, Italy; Colonial Trading Company, Elizabeth street, Melbourne, Australia; Buxton-Olditch and Company, Suipacha 602, Buenos Aires, Argentina. Cable address, "Dorfsplit," Newark. Codes, International and Western Union.

Sprague Electric Works of General Electric Company, 527 West Thirty-fourth street, New York. Flexible steel conduit, rigid iron conduit, armored conductor, armored hose, outlet boxes and fittings, switchboards, panel boards, theatrical devices, direct current generators, direct current motors, electric hoists, electric fans, dynamometers, ozonators. Cable address, "Spragmotor," New York. Code, A B C.

The Sprague Meter Company, Bridgeport, Conn. Gas meters of cast iron, gas governors. Cable address, "Sprague," Bridgeport. Codes. A B C and Western Union.

Spreckels Sugar Company, 60 California street, San Francisco, Cal. Sugar.

Springfield Waste Company, 109 Mill street, Springfield, Mass. Cotton and wool waste. Cable address, "Smifield," Springfield, Mass. Code, Western Union Telegraphic.

E. R. Squibb and Sons, 78 Beekman street, New York. Medicinal chemicals, pharmaceutical and biological products. Cable address, "Ersquibb," New York. Code, A B C.

The Stacey Brothers Gas Construction Company, Elmwood place, Cincinnati, Ohio. Gas works machinery, gas holders, oil storage tanks, water storage tanks, coal carbonizing plants.

The Stacey Manufacturing Company, Elmwood place, Cincinnati, Ohio. Gas holders, gas plant equipment, plate and structural metal work, cast iron gas pipe specials, gas valves, iron and steel tanks, steel construction, gas works engineers. Cable address, "Stamanco," Cincinnati. Code, Western Union.

Stacy-Adams Company, Brockton, Mass. High grade men's shoes.

The Stafford Company, Readville, Mass. Automatic looms, silk looms, weaving machinery.

Stafford Mills, 62 County street, Fall River, Mass. Plain cotton cloths.

Stafford & Company, Manayunk, Philadelphia, Pa. Carpet and rug yarns.

E. H. Stafford Manufacturing Company, 218 South Wabash avenue, Chicago, Ill. Export shipping office, Norman L. Wills & Co., 24 Stone street, New York. School furniture, opera chairs, church furniture, lodge furniture, car pushers. Foreign agents: Furtado Co., San Martin 66, Buenos Aires, Argentina; J. Carreira, Jr., Pernambuco, Brazil. Cable address, "Staffseat," Chicago. Codes, Western Union and A B C Fifth edition.

S. S. Stafford, Inc., 605 Washington street, New York. Writing inks, all kinds; mucilage, white paste, fountain pens, carbon papers, typewriter ribbons. Cable address, "Azatura," New York. Code, Western Union.

The Stamford Foundry Company, 117 Canal street, Stamford, Conn. Export office, W. J. Kingsland, 24 State street, New York. Ranges, stoves and furnaces. Cable address, "Stamstove," Stamford.

Stamford Rolling Mills Company, Springdale, Conn. Sales office, 25 Broad street, New York. Rolled products in brass, German silver, gilding metal, cupro-nickel, bronze and copper; prepared to furnish these metals in various thicknesses, especially the thin gauge brass rolled down to 5/1000 of an inch in varying widths.

The Stamford Rubber Supply Company, Shippan avenue, Stamford, Conn. Rubber substitutes (Factice), golden and crimson sulphuret of antimony, composition pads for trusses, special oils for waterproofing leather.

Stanard-Tilton Milling Company, Pierce building, St. Louis, Mo. New York office, 24 Stone street. Flour. Cable address, "Stanard," St. Louis. Codes, Riverside, A B C Fifth Improved edition and Western Union.

Standard Aniline Products, Inc., 366 Fifth avenue, New York. Beta naphthol, mono sulphonic acid, Schaeffer acid, paranitraniline, para-nitroacetanilid, para-amidoacetanilid, para-amidophenol hydrochloride, para-amidophenol, para-nitrophenol, para-phenylenediamine, acetanilid, para-dichlorbenzol, dichlorbenzol crude, R. acid, sodium acetate, resinate of lead

manganese, resinate of cobalt, resinate of manganese, fur black extra, fur brown-B, fur brown G G S. A. P., sulphur black S. A. P. 100%, sulphur black S. A. P. 15%, sulhpur black E. S. standard, sulphur black E. S. extra conc., sulphur blue-black, sulphur blue S. A. P., sulphur yellow S. A. P., Bismarck brown F. F. F., conc., 3-R, chrysoidine Y, R, wool yellow S. A. P., wool orange S. A. P., fast scarlet S. A. P., oil, scarlet S. A. P., green crystals S. A. P., direct fast yellow. Foreign agents: John Wilson & Son, 25 Charles street, Bradford, England; Guido Marini Fu G. B., Via Amedei 9, Milan, Italy. Cable address, "Gysesom," New York.

Standard Bleachery Company, Carlton Hill, N. J. New York office, 320 Broadway. Bleachers, mercerizers and dyers of cotton piece goods.

Standard Bridge Company, 1302 City National Bank building, Omaha, Neb. Bridges and structural iron.

The Standard Company, 52 Norwood street, Torrington, Conn. Steel wire spokes and steel and brass nipples for wire wheels of all sizes, bicycle and motorcycle pedals, bicycle pedal toe clips, emergency axles. Cable address, "Spokenip," Torrington. Codes, Lieber's, A B C Fourth edition and Western Union.

Standard Distilling and Distributing Company, 27 William street, New York. Rye and Bourbon whiskies, in bond or tax-paid, gins; industrial alcohol and high proof spirits from grain or cane, 95° Gay Lussac test or 190 American proof. Cable address, "Standard," New York. Codes, A B C Fifth edition and Western Union.

Standard Furniture Company, Herkimer, N. Y. Office desks and tables. Foreign agents: Standard Desk Co., Ltd., 60 Wilson street, Finsbury, London, England; Fabrique du Bureau a Rideau, 3 Rue Titon, Paris, France. Cable address, "Standard," Herkimer. Codes, Lieber's and Western Union.

Standard Gas Engine Company, Inc., foot of Dennison street, East Oakland, Cal. San Francisco office, 440 Market street. Marine, stationary and hoisting gasoline and distillate engines. Representatives for the Southwark-Harris valveless oil engines (full Diesel type) for the entire Pacific. Foreign agents: Juan Ottasso & Cia, Buenos Aires, Argentina; Waugh & Josephson, Sydney, N. S. W., Australia; J. J. Craig, Ltd., Auckland, and Wm. G. Robertson, Dunedin, New Zealand; M. A. Greenfield, Shanghai, China; Kunst & Albers, Vladivostok, Siberia; Rocca & Miller, Callao, Peru; A. T. Gillespie, Manila, P. I.; Moors Samoan Trading and Plantation, Ltd., Apia, Samoa; S. R. Maxwell & Co., Ltd., Papeete, Tahiti. Cable address, "Stangas," Oakland. Codes A B C Fifth edition, Lieber's, Western Union and private.

Standard Motor Construction Company, 172 Whiton street, Jersey City, N. J. New York office, 149 Broadway. Marine gas and oil engines. Foreign agents: Auckland Engineering and Motor Agency Co., Auckland, New Zealand; Chas. E. Albury, Nassau, N. P., Bahamas; John H. Biddle, Belize, British Honduras; Pascual Bellizia, Frontera, Tabasco, and General Machinery and Supply Co., Tampico, Mexico; Chudleigh H. Gorrick, Sydney, Australia; Oahu Shipping Co., Honolulu, Hawaii; Pyne-Hughman & Co., Calcutta, India; M. Clary-Wilmot, Papeete, Tahiti. Cable address, "Standmotor," Jersey City. Codes, Western Union, Lieber's and A B C Fourth and Fifth editions.

The Standard Oil Cloth Company, 320 Broadway, New York. "Meritas" table oil cloth, "Meritas" leather cloth, "Sanitas" wall covering, shelf oil cloth, slate cloth. Cable address, "Stocco," New York. Codes, Lieber's, A B C Fourth and Fifth editions and Western Union.

Standard Oil Company of New York, 26 Broadway, New York. Oil.

The Standard Paint Company, Woolworth building, New York. Prepared roofings and shingles, insulating and building papers, paints, electrical varnishes, insulating compounds, tapes, solid compounds and waterproofing compounds. Cable address, "Ruberoid," New York. Codes, Western Union, Lieber's, A B C Fifth Improved edition and A 1.

Standard Paper Manufacturing Company, P. O. Box 1554, Richmond, Va. New York office, 140 Nassau street. Plain and coated blotting paper, absorbent paper, matrix or stereotype paper. Cable address, "Stanblot," Richmond. Codes, A B C Fifth edition and Western Union.

Standard Parts Company, 6524 Central avenue, Cleveland, Ohio. Export office, 614 West Fifty-sixth street, New York. Flat leaf automobile springs, "Perfection" automobile heaters. Foreign agents: Gaston, Williams & Wigmore, Alexandra House, Kingsway, London, England.

Standard Plate Glass Company, Butler, Pa. Plate glass.

The Standard Pulley Company, 1734 Powers street, Cincinnati, Ohio. Cast iron pulleys and friction clutches. Jobbers of shafting, belting, hangers, collars and couplings. Cable address, "Stapulco," Cincinnati. Code, Western Union.

Standard Sanitary Manufacturing Company, Bessemer building, Pittsburgh, Pa. Export office, 50 Broad street, New York. New York office and showroom, 35 West Thirty-first street. Plumbing goods: enameled iron baths, lavatories, sinks, etc.; vitreous china water closet combinations, lavatories, etc.; plumbers' brass ware of every description. Foreign agents: Hubbard & Co., San Juan, Costa Rica; Pierola & Saavedra, Lima, Peru; Purnell & Paget, The Bund, Canton, China; Westphal, King & Ramsay, Ltd., Shanghai, China; American Trading Co., Yokohama, Kobe and Tokio, Japan; Chas. A. Pope, Buenos Aires, Argentina; W. A. Dewsnass, London, E. C., England; M. W. Aas & Co., Christiania, Norway; Bernardino Correa Lda., Lisbon, Portugal; Arkell & Douglas, Melbourne and Sydney, Australia; Herbert F. Forder, Auckland, New Zealand; Leon Bonder, Santiago, Chile; Gonzalez & Arguedas, La Paz, Bolivia. Cable address, "Sanitary," New York. Codes, Lieber's, A B C Fourth and Fifth editions, Western Union and private.

The Standard Scale and Supply Company, 1631 Liberty avenue, Pittsburgh, Pa. Export office, 50 Broad street, New York. New York office, 145 Chambers street. "The Standard" scales: counter, platform, spring balance, railroad track, grain scale and automobile truck scales; recording attachment for scales; "The Standard" and "S S S" concrete mixers. Jobbers of trucks, engines, coal dealers' supplies and contractors' supplies. Cable address, "Scales," Pittsburgh. Code, Western Union Universal edition and A B C Fifth edition.

Standard Screw Company, 81 East Madison street, Chicago, Ill. Standard set and cap screws, and special screw machine products; iron and steel set screws, cap screws, collar screws, coupling bolts, studs, machine screws; emery wheel dressers; hand screws, cups, cones, axles, rollers, washers, bearings, clevises, taper pins, gear blanks, turnbuckles, spark plugs; castle nuts, semi-finished nuts, finished and case-hardened nuts.

The Standard Sewing Machine Company, 6402 Cedar avenue, Cleveland, Ohio. Export office, 47 East Nineteenth street, New York. New York office, 149 Spring street. Buttonhole and button sewing machines; high speed plain stitcher machines either lock or chain stitch; corset making, overseaming, zigzag, ruffling and basting machines; family machines, both hand and foot, rotary or vibrator; sewing machine parts and supplies. Cable addresses, "Lagothrix," New York; "Rotary," Cleveland. All codes.

The Standard Silk Company, 70 Worth street, New York. Broad silks. Cable address, "Juilliard," New York. Code, A B C.

Standard Silk Dyeing Company, P. O. Box 1814, Paterson, N. J. Skein and piece silk dyeing and finishing.

Standard Steel Car Company, 1120 Frick building, Pittsburgh, Pa. New York office, 170 Broadway. All types of freight and passenger cars. Jobbers of miscellaneous machinery.

The Standard Steel Tube Company, corner Detroit and Fitchland avenues, Toledo, Ohio. Lap brazed steel tubes.

The Standard Tool Company, Cleveland, Ohio. New York office, 94 Reade street. Twist drills, reamers, milling cutters, sockets, sleeves, machine bits for wood, taps, dies, tap wrenches, chucks, arbors, counterbores, countersinks, gauges, mandrels, taper pins, shell end mills and machinists' tools. Cable address, "Stantool," Cleveland. Codes, A B C, Lieber's and private.

Standard Underground Cable Company, Westinghouse building, Pittsburgh, Pa. New York office, 50 Church street. Copper and brass tubes, wire and rods; Colonial copper clad steel wire; bronze wire, magnet wire, weatherproof wire, rubber insulated wire, railway signal wire; motor ignition lighting and starting cable; mining machine cable, lead-covered light and power cables, lead-covered telephone and telegraph cables, steel-wire and steel-tape armored cables; cable terminal and junction boxes; "Ozite" insulating compounds; miscellaneous cable accessories. Foreign agents: Edward LeBas & Co., London, England; J. Halley Craig, Glasgow, Scotland; J. K. Robinson, Iquique, Chile; Andersen, Meyer & Co., Ltd., Shanghai, China; Technisch Bureau vh., Amsterdam, Holland; Fernando D. Ravasio, Montevideo, Uruguay; Dutilh-Smith, McMillan & Co., S. A., Buenos Aires, Argentina; Teknisk Co., Christiania, Norway; Antigo & Co., Havana, Cuba; Wilh. Simonsson, Helsingborg, Sweden; R. O. Warrington, Manila, P. I.; C. G. Philaretos & Co., Athens, Greece. Cable address, "Cablemaker," Pittsburgh. Codes, Western Union, A B C Fifth edition, Lieber's and private.

Standard Varnish Works, 90 West street, New York. Varnishes, enamels, wood stains, paste wood-fillers, liquid wood-fillers, japans, driers, insulating compounds. Foreign branches: 27 Bevis Marks, London, E. C., England; 34 rue de Chabrol, Paris (Xe) France; Kungsgatan 11, Gothenburg, Sweden; 479 Collins street, Melbourne, Australia. Cable address, "Everween," New York. Codes, Lieber's, Western Union and A B C Fourth and Fifth editions.

Standard Wall Paper Company, Hudson Falls, N. Y. New York office, Johnson building. Wall paper. Jobbers of Lincrusta.

The Standard Welding Company, Cleveland, Ohio. New York office, United States Express building. Cold-drawn seamless steel tubing, lock-seam steel tubing, welded steel tubing, open-seam steel tubing; tubular parts, brake rods, yoke ends; automobile, bicycle, motorcycle, motor truck and aeroplane rims; solid tire bases; electrically welded forgings; brass, copper, steel and alloy welded rings; bicycle and motorcycle frame parts. Cable address, "Stanweld," Cleveland. Codes, Lieber's and Western Union.

Stanley Rule and Level Company, New Britain, Conn. New York office, 100 Lafayette street. Carpenters' and mechanics' tools, such as awls, bit braces, levels, gauges, hammers, punches, tool handles, mallets, planes and plane irons, rules, screwdrivers, squares, bench vises, scrapers and ice tools. Cable address, "Staruleco," New Britain. Codes, Western Union, Lieber's and A B C.

The Stanley Works, New Britain, Conn. Export office, 100 Lafayette street, New York. Builders' hardware such as butts, hinges, shelf brackets, chest handles, door bolts, hasps, washers, etc.; box strapping, cold rolled

steel. Cable address, "Stanlyworx," New Britain. Codes, A B C Fifth edition and Lieber's.

Star and Crescent Company, Hancock and Lehigh avenues, Philadelphia, Pa. New York office, 242 Fourth avenue. Turkish towels and bath rugs.

The Star Drilling Machine Company, Akron, Ohio. Export office, 2 Rector street, New York. Well drilling machinery, blast hole drilling machines, oil well tools. Cable address, "Stardrill," New York. Codes, A B C Fourth edition and Lieber's Standard.

The Star Pin Company, Derby, Conn. New York office, 43 Leonard street. Pins, hair pins, hooks and eyes, hook and eye tape.

The Star Porcelain Company, Muirheid avenue, Trenton, N. J. Electrical specialties in porcelain.

Star Ribbon Manufacturing Company, 45 Mills street, Astoria, N. Y. New York office, 456 Fourth avenue. Satins, fancy ribbons, velvet, cut edge and grosgrain ribbon. Cable address, "Starribbon," New York.

The Starr Piano Company, Richmond, Ind. Upright and grand pianos, player pianos, rolls for player pianos, phonographs, phonograph records. Cable address, "Starrpiano," Richmond, Ind. Codes, Western Union, Lieber's and A B C Fifth edition.

The L. S. Starrett Company, Athol, Mass. New York office, corner West Broadway and Chambers street. Tools for machinists, carpenters, millwrights, draftsmen and jewelers: bevels, calipers and dividers, center testers, center punches, drill blocks, gas heaters, instruments of precision, inclometers, jack screws, levels, locomotive guide liners, nail sets, parallels, pin vises, pipe attachments, plumb bobs, plyers, cut-nippers, hack and screw slotting saws, scrapers, screwdrivers, scribers, section liners, speed indicators, straight edges, steel tapes, test indicators, trammels, transits; keyseat, measuring bar, parallel, rule and steel clamps; gauges for various purposes; inside, outside and metric micrometers, micrometer stands; protractors of various kinds; rules: steel, desk, English, folding, hook, keyseat, metric, metric and English, draftsmen's, shrink and slide; squares of various kinds; automobile, ratchet and tap wrenches. Cable address, "Starrett," Athol. Codes, Lieber's and New Business.

The Stead & Miller Company, Fourth and Cambria streets, Philadelphia, Pa. New York Office, 242 Fourth avenue. Upholstery goods, furniture coverings, draperies, portières, couch covers.

The Stearns-Roger Manufacturing Company, 1720 California street, Denver, Colo. Mining and ore milling machinery; builders of sugar factories and ore treating plants. Jobbers of sugar factory machinery. Cable address, "Sterog," Denver.

The Stearns & Foster Company, corner Williams and Wyoming avenues, Lockland, Cincinnati, Ohio. Branch warehouse, E. W. Jackson, 551 West Fortieth street, New York. Cotton wadding, cotton batting, cotton felt mattresses, cotton filling and Leinette. Jobbers of mattress protectors, pillows and furniture wagon pads. Cable address, "Stearnfost," Cincinnati. Codes, Shepperson's 1878 and 1881 editions and Yopp's.

The A. T. Stearns Lumber Company, 98 Taylor street, Neponset, Boston, Mass. Lumber, mouldings, gutters, tanks, tubs, dye vats, doors, cypress shingles, builders' finish, greenhouse stock.

J. S. Stearns Lumber Company, Odanah, Wis. Pine and hardwood lumber.

John N. Stearns & Company, Thurston street, Elmira, N. Y. Sales office, 144 Madison avenue, New York. Broad silks, linings and ribbons.

The Steel Products Company, 2206 Clarkwood road, Cleveland, Ohio. Poppet valves of all kinds, automobile motor valves, spring shackle bolts, steering knuckle bolts, valve tappets, drag links, rod assemblies, starting crank shafts, tank straps, grease cups, lamp brackets. Cable address, "Elecweld," Cleveland.

The Steffens Amberg Company, 262 Morris avenue, Newark, N. J. Harness hardware, steel hames, hardware to order in brass, bronze, composition, nickel, German silver, steel and iron. Export agent: W. J. Kingsland, Inc., 24 State street, New York.

The Stein-Bloch Company, Rochester, N. Y. New York office, 200 Fifth avenue. Clothing. Cable address, "Steinbloch," Rochester. Code, A B C Fifth edition.

Stein, Hirsh & Company, 61 Broadway, New York. Starch, dextrine and gums. Jobbers of egg albumen, chemicals, sisal, rubber, tapioca, sago, rice flour and copra. Foreign office: 124 Wynstraat, Rotterdam, Holland. Cable address, "Steinhirsh," New York. Codes, Western Union, A B C Fifth and Fifth Improved editions.

Steinway & Sons, 109 East Fourteenth street, New York. Pianos. Cable address, "Steinway," New York.

The Stenotype Company, Indianapolis, Ind. The "Stenotype", a machine for taking dictation similar to shorthand; the "Steno" 1" x 7" turret hand screw machine, "Steno" duplex surface grinder, "Steno" milling cutters and reamers; special tools and metal working machinery of any kind designed and built to order. Cable address, "Stenotype," Indianapolis. Code, Western Union.

Stephens-Adamson Manufacturing Company, Aurora, Ill. New York office, 50 Church street. Coal handling machinery, conveying and elevating machinery, screening machinery, ore and stone handling machinery, belt conveyors, labor-saving machinery. Foreign agents: Arthur Leplastrier & Co., Sydney, Australia; J. McG. Love & Co., Ltd., Johannesburg, South Africa; C. S. Christensen A/S, Christiania, Norway. Cable address, "Saco," Aurora, Ill. Codes, Lieber's, A B C and Western Union.

Roe Stephens Manufacturing Company, Detroit, Mich. Brass and iron valves for steam, water, gas, air and acids; our specialties: "Scott" straightway gate valves; "Scott" angle and globe valves, with bronze, copper or "Jenkins" discs; "Scott" bevel seat re-grinding swing check valves; "Rouse" swing check valves; "Flower" cushion check valves; "Goldsmith" quick opening throttle valves; "Scott' automatic water sealed exhaust relief or back pressure valves; "Scott" spring pop safety, relief and snifter valves; "Orme" spring pop safety and relief valves; "Scott" steam radiator valves with "Jenkins" discs; "Scott" union radiator elbows; "Chicago" hot water radiator valves; "Scott" straightway quick opening gate valves; "Scott" brass gate valves with union; "Scott" and "Michigan" hub end water gates; "Michigan" gate and compression fire hydrants, indicator posts, sluice gates, valve boxes and foot valves. Cable address, "Roesteph," Detroit. Codes, Lieber's and Western Union.

Stephenson Underwear Mills, South Bend, Ind. Men's two piece flat web underwear, 16 gauge, 12 pound; worsted mix heavy and light weight union suits, wool spun heavy weight union suits and summer weight union suits, all for men; "Victoria" union suits for women.

Sterling Blower Company, 618 Windsor street, Hartford, Conn. New York office, 39 Cortlandt street. Blowers, blower systems and sheet metal work of all kinds.

The Sterling Casket Hardware Company, 383 Kent avenue, Brooklyn, N. Y. Trimmings, ornaments and name plates for caskets and coffins. Jobbers of undertakers' supplies and sundries, burial shoes, handle screws, steel box handles, box screws and box lifts.

The Sterling Company, Derby, Conn. Pianos and player-pianos. Cable address, "Sterling," Derby. Codes: "A B C Fourth and Fifth editions.

Sterling Engine Company, 1252 Niagara street, Buffalo, N. Y. Marine gasoline engines. Cable address, "Sterling," Buffalo. Codes Western Union and private.

The Sterling Piano Company, 518 Fulton street, Brooklyn, N. Y. Pianos and piano players.

The Sterling Pin Company, Derby, Conn. Wire hair pins, hooks and eyes.

Stern Brothers & Company, 68 Nassau street, New York. Cutters of diamonds. Cable address, "Aforetime," New York. Codes: Broomhall, and Bentley's.

B. Stern & Son, 634 Broadway, New York. Men's made-to-measure clothes at wholesale.

Bernhard Stern & Sons, Inc., 311 Court street, Milwaukee, Wis. Wheat flour, rye flour. Cable address, "Stern," Milwaukee. Code, Riverside.

I. Stern & Company, 112 West One Hundred and Sixteenth street, New York. Dental gold materials and specialties, and amalgam alloys. Jobbers of "Stern Facings," artificial teeth for bridgework.

The Stetson Shoe Company, Inc., Main street, South Weymouth, Mass. Export office, 5 East Forty-second street, New York. Fine shoes for men. Cable address, "Stetshoeco," New York. Code, Western Union.

John B. Stetson Company, Fifth street and Montgomery avenue, Philadelphia, Pa. New York office, 220 Fifth avenue. Fine soft and stiff fur felt hats. Foreign agents: Sucrs. de S. W. Walker, Mexico City, Mexico; Thomas J. Flynn, 13 Edmund Place, Aldersgate street, London, England; P. B. Sheather Co., Sydney, Australia; L. Magnani, Parma, Italy; George H. Weyand, Alsina 1088, Buenos Aires, Argentina; Alfred Christensen, Copenhagen, Denmark. Cable address, "Nutria," Philadelphia. Codes: Western Union, A B C Fifth edition and Lieber's.

F. C. Stettler Manufacturing Company, 300 Oregon street, Portland, Oregon. Oyster pails, folding paper boxes and set up paper boxes.

Stevens Brothers, 149 Broadway, New York. Chemical equipments of metal: nitrators, reducers, stills, heaters, coolers, sulphonators, autoclaves, washers and various other chemical equipments.

Stevens & Thompson Paper Company, North Hoosick, N .Y. Mills at Greenwich, N. Y. New York agents, Linton and Scott, 18 East Forty-first street. Tissue and toilet paper.

Stevenson & Foster Company, 947 Liberty avenue, Pittsburgh, Pa. Commercial printing and bookbinding, such as loose leaf blanks, binders, blank books, office and mill forms, advertising folders, booklets, foreign language work, railroad tickets, etc. Jobbers in stationery, draughtsmen's supplies and "National" tracing cloth.

Stewart Iron Company, Ltd., Sharon, Mercer County, Pa. Export office, Cleveland, Ohio. Bessemer pig iron, low phosphorous pig iron and coke.

Stewart Motor Corporation, Superior, Randall and Jefferson streets, Buffalo, N. Y. Export agents, Melchior, Armstrong and Dessau, Inc., 116 Broad street, New York. Motor delivery trucks of ½ ton, ¾ ton and 1¼ ton capacity. Cable address "Stewart," Buffalo. Code, Western Union.

Stewart Silk Company, 260 Fourth avenue, New York. All silk crepe de chine and crepe georgette. Cable address, "Jackstew," New York. Code, A B C.

Stewart-Warner Speedometer Corporation, 1826 Diversey boulevard, Chicago, Ill. New York office, 233 West Fifty-eighth street. "Stewart" Speedometers, "Warner" autometers, motor driven tire pumps, vacuum gasoline tanks, hand and motor driven warning signals, spark plugs, (windshield) searchlights and autoguards or bumpers. Foreign agents: Cooper-Stewart Engineering Co., Limited, 11 Broad street, London, England; Markt & Co., avenue Parmentier, 107, Paris, France; Cooper Engineering Co., Limited, 129 Sussex street, Sydney, Australia; Simensen & Nielsen, Bredgade 33, Copenhagen, Denmark; Wm. Cooper & Nephews, Calle Lima 242, Buenos Aires, Argentina; Von Hamm Young Co. Limited, Honolulu, T. H. Cable address, "Speedometer," Chicago. Codes, Western Union, Bentley's and A B C.

James Stewart & Company, Inc., 30 Church street, New York. General contractors; grain elevators, dock works, office buildings, railway buildings, dredging, reinforced concrete, heavy masonry, etc. Jobbers of contractors' equipment, locomotives, dump cars, steel rails, hoisting engines, steam shovels, dredges, tugs, boilers, etc. Cable address, "Stuconco," New York. Codes: Western Union and Lieber's.

John K. Stewart & Sons, Amsterdam, N. Y. New York office, 346 Broadway. Men's, women's and children's fleece lined shirts and drawers, also women's knickerbockers and divided skirts; men's balbriggan, mesh and light and heavy ribbed underwear including union suits; yarns and knitted cloths, such as balbriggan cloth for underwear and white gloves, jersey fleeced cloth for glove lining, fleeced cloth and heavy and light weight ribbed cloth for underwear. Foreign agents: T. Lyles, 122 Wood street, London, E. C., England; Theodore Mehder, Copenhagen, Denmark; Lorenzo A. Aranguren, Havana, Cuba. Code, A B C.

The W. F. Stewart Company, 1023 Harriet street, Flint, Mich. Automobile bodies for pleasure cars.

Stickney & Poor Spice Company, 182 State street, Boston, Mass. Mustard, spices, cream of tartar, grocers' sundries, maraschino cherries and flavoring extracts. Cable address, "Stickpoor," Boston. Codes: A B C Fifth edition and private.

J. L. Stifel & Sons, Main, Fourth and West streets, Wheeling, W. Va. Export office, 260 Church street, New York. Indigo prints, drills and denims. Cable address, "Stifelson," Wheeling. Codes: Western Union, Lieber's.

Stitzel Distilling Company, 1033 Story avenue, Louisville, Ky. High grade whiskey, distillers of dried grains.

Joseph Stokes Rubber Company, Trenton, N. J. Hard rubber goods of all descriptions.

Stollwerck Brothers, Inc., Stamford, Conn. Cocoa and chocolates.

The Stone Printing and Manufacturing Company, 116 North Jefferson street, Roanoke, Va. Calendars, booklets, catalogs, printing in general.

Thomas & George M. Stone, 502 Mulberry street, Newark, N. J. Engravers of steel rolls for embossing wall papers, plush, fancy paper, tin foil, leather, etc.; engravers of copper rolls for wall paper, oilcloth, silk, ribbons, carpets, calico, etc.

Stonega Coke and Coal Company, Inc., Big Stone Gap, Va. Philadelphia office, 1727 Land Title building. Export agents: William Johnson & Co., foot Laurens street, Charleston, S. C.; Stonega & Bunker Ports Coke and Coal Co., care of Standard Fuel Supply Co., Savannah, Ga. New York agents: David S. Hays & John L. Denton, 24 State street; Willard, Sutherland & Co., 8 Bridge street. Coke and coal. Jobbers of "Stonega" bunker coal, "Roda" gas coal, steam coal, foundry and furnace coke. Foreign agents: Hull, Blyth & Co., 1 Lloyd's avenue, London, E. C., England, agents for bunker coal; Stonega Coke & Coal Co., care of David S. Hays & John L. Denton, Buenos Aires, Argentina. Cable addresses: "Stonega," Philadelphia and Big Stone Gap; "Salas," Savannah, Code, Lieber's.

Story & Clark Piano Company, 315 South Wabash avenue, Chicago, Ill. New York salesrooms, 12 West Thirty-second street. Pianos, player-pianos. Cable address, "Story," Chicago. Codes: A B C and Western Union.

John Strange Paper Company, Menasha, Wis. News board, box boards, genuine kraft paper, express, folding box and wrapping paper, mill wrappers, test boards, combination boards and paper specialties.

George Stratford Oakum Company, 160 Cornelison avenue, Jersey City, N. J. Export office, 95 Broad street, New York. Marine and plumbers' oakum; friction, trunk and binders' board; plaster and upholstery fibre. Jobbers of rope oakum, jute packing, caulking cotton, sheathing felt. Cable address, "Stratford," Jersey City. Code, A B C Fifth edition.

Strathmore Paper Company, Mittineague, Mass. New York office, 200 Fifth avenue. Paper: book, cover, bond, writing, artists', wedding; bristols of all kinds. Cable address, "Strathmore," Mitteneague. Code, Western Union.

Strauch Brothers, 22 Tenth avenue, New York. Piano actions and hammers. Cable address, "Straubro," New York.

F. A. Straus & Company, 453 Fourth avenue, New York. Worsted yarns and thrown silk. Jobbers of artificial silk and cotton yarns and tinsel threads. Cable addresses, "Lobarn," "Straurileу" and "Strareiss," New York. Codes: Lieber's and International.

M. Straus & Sons, 440 Frelinghuysen avenue, Newark, N. J. Leather for automobiles, carriages, furniture and shoes. Cable address, "Beaver," Newark. Codes: A B C, Lieber's.

Streator Brick Company, 323 East Main street, Streator, Ill. "Shale-Tex" face brick, in rough texture, repressed and wire cut styles, paving brick and floor tile.

N. R. Streeter & Company (Josiah Austice & Company), Water and Franklin streets, Rochester, N. Y. Export office, W. J. Kingsland, 21 State street, New York. New York office, W. H. Jacobus, 81 Walker street. Vegetable peelers; meat, vegetable and bread slicing machines; hand and power potato mashing machines; small kitchen utensils: can openers, mincers, fruit presses, etc.

The Strobridge Lithographing Company, 108 West Canal street, Cincinnati, Ohio. New York office, Times building, Times square. Posters, calendars, show cards, labels, bonds, certificates of stock, commercial stationery, catalogs, general lithographing and printing. Cable address, "Strobridge," Cincinnati. Code: Western Union.

Stroh-Steel Hardening Process Company, First National Bank building, Pittsburgh, Pa. Steel and iron castings, ingots, Stroh process steel castings. Jobbers of alloy steels.

Charles W. Strohbeck, Inc., 325 Johnson street, Brooklyn, N. Y. Ladies' shoes.

Stromberg Allen & Company, 430 South Clark street, Chicago, Ill. Lithographing, printing, etc. Jobbers of stationery.

Strong, Hewat & Company, 25 Madison avenue, New York. Woolen goods.

The Strong-Scott Manufacturing Company, 413 South Third street, Minneapolis, Minn. A complete line of flour mill and grain elevator machinery; also, transmission machinery, sheet metal specialties, perforated metal, grain driers, dust collectors. Jobbers of automatic and platform scales, belting and grain cleaning machinery. Cable address, "Strotco," Minneapolis, Code: Western Union.

S. Stroock & Company, 11 East Twenty-sixth street, New York. Felt of all kinds, plushes, pile fabrics, laprobes, automobile robes. Cable address, "Stroock," New York. Codes: A B C, Lieber's.

Strouse, Adler & Company, 84 Olive street, New Haven, Conn. New York office, 45 East Seventeenth street. Corsets, corset steels, clasps and boning wires, paper boxes; converters of corset materials. Jobbers of corset materials. Cable address, "Anglomay," New York.

Strouse & Brothers, Paca and Lombard streets, Baltimore, Md. New York office, Fifth avenue and Twenty-sixth street. Chicago office, Medina building. Boston office, 68 Boylston building. Clothing for men and young men.

The Struthers Furnace Company, 1106 Citizens building, Cleveland, Ohio. Pig iron. Cable address, "Runstub," Cleveland.

Stuber & Kuck Company, 2800 South Adams street, Peoria, Ill. Export office, 154 Chambers street, New York. "Perfect" clinching hose menders, "Perfect" clinching hose coupling; square spray, round spray and straight away lawn sprinklers; hand operating vacuum carpet sweepers; "Uncle Sam" best oil cans, wash boilers and dairy pails; "Superior" and "Baby Superior" fly traps; competition tinware; end crank and side crank flour sifters, double friction; self sealing cans for all purposes; asbestos stove mats, flue stoppers, galvanized garden trowels, japanned tinware, "Samson" cracker cans, straight sided and tapering cracker barrels, mixing spoons, kitchen cabinet tinware, sweeping compound barrels, sanitary packers' cans. Export agent, John M. Sherwood, 154 Chambers street, New York.

The Studebaker Corporation of America, South Bend, Ind. Works also at Detroit, Mich. New York office, 443 Broadway. Automobiles, commercial motor cars, motor trucks, farm wagons, teaming gears, log wagons, farm trucks, driving wagons, buggies, carriages, spring wagons, delivery wagons, street sprinklers, street sweepers, street flushers, road oilers, garbage wagons, dump wagons, dump carts, harness. Names and addresses of foreign representatives in Canada, Central America, Cuba, West Indies, Brazil, Argentina, England, Russia, South Africa, Australia and the Orient, given upon application. Cable address, "Studebaker." South Bend. Codes: A B C Fifth edition, Lieber's and Western Union.

G. L. Stuebner Iron Works, Twelfth street and Vernon avenue, Long Island City, N. Y. Self-dumping and self-righting hoisting buckets, industrial railways, wheelbarrows, tar and pitch melting kettles.

Sturtevant Mill Company, Harrison square, Boston, Mass. New York office, 114 Liberty street. Jaw crushers, rotary crushers, crushing rolls, hammer bar mills, hinged hammer pulverizers, ring roll pulverizers, emery mills, screens, fertilizer mixers, fertilizer mixing units, automatic sacking and weighing machines, coal crusher and sampler, laboratory crushers, rolls and grinders. Cable address, "Emerystone," Boston. Codes: Lieber's and Western Union.

B. F. Sturtevant Company, Hyde Park, Boston, Mass. New York office, 52 Vanderbilt avenue. Fans, blowers and exhausters; heating and ventilating apparatus; forced and induced draft apparatus; fuel economizers; steam engines; steam turbines; direct current electric motors, electric generating sets; vacuum cleaners both portable and stationary; pneumatic, conveying and collecting systems for wool, cotton, hair, flax, hemp, shavings, waste paper, coffee, wood or paper pulp, etc. Cable address, "Sturtevant," Boston. Codes: A B C Fifth edition, Western Union, Lieber's and private.

The Rudolph Suhre Sons Company, rear of 1300 Harrison avenue, Cincinnati, Ohio. Harness leather.

Sumner Iron Works, Everett, Wash. Saw and shingle mill machinery, engines, boilers, transmission machinery. Code: Western Union.

Sunset Soap Dye Company, 235 Huguenot street, New Rochelle, N. Y. Dyes for the trade and household use and dry smelling salts. Code: A B C, Fifth Improved edition.

Superior Portland Cement Company, 613 Northern Bank building, Seattle, Wash. Portland cement. Cable address, "Cement," Seattle. Codes: Western Union, A B C Fifth edition.

Superior Steel Company, Carnegie, Pa. Hot and cold rolled strip steel.

The Superior Underwear Company, Piqua, Ohio. New York office, 215 Fourth avenue. Men's and boys' combination or union suits, knitted and cloth.

Susquehanna Silk Mills, 149 Madison avenue, New York. Silk and silk mixed broad goods.

Sussex Print Works, Newton, N. J. New York office, 104 Fourth avenue. Dyers and printers of silk, and silk and cotton mixed goods in the piece.

M. B. Suydam Company, Sixty-first and Butler streets, Pittsburgh, Pa. New York office, 50 Church street. Protective paints of all kinds, for iron, steel and wood construction.

The James Swan Company, 279 Bank street, Seymour, Conn. New York office, 100 Lafayette street. Augers, bits, drills, chisels, gouges, drawknives, screwdrivers, countersinks, reamers, gimlets, nail sets and boring machines.

Swansdown Knitting Company, Hudson, N. Y. Export agents, Barnes, McGoey & Ely, 349 Broadway, New York. Men's and boys' sweater coats and underwear.

Sweet's Steel Company, Williamsport, Pa. New York office, 2 Rector street. Light and heavy section steel Tee rails and accessories for permanent, portable and industrial track; steel ties and fastenings; light steel angles, steel bars, plain rounds, squares, and twisted squares for concrete reinforcing and other purposes; light steel flats and bands, special shapes, heavy forging ingots. Jobbers in second hand or relaying rails, all sections; also splice bars, bolts, nuts and spikes. Foreign agents: E. Thornton & Co., 64 Rue Taitbout, Paris, France; R. White & Sons, Widnes, England; M. Challier, Via Nizza 9, Turin, Italy; Hongkong Mercantile Co., P. O. Box 250, Hongkong, China; Rubinovich & Haskell, 346 Notre Dame St., West, Montreal, Canada; J. H. Oddy, Durban, South Africa; Gomez & Irmao, Loanda, Portuguese West Africa; Mora & Zayas Commercial Co., Havana, Cuba. Cable address, "Swesteelco," Williamsport. Codes, Western Union Five Letter edition and private.

---

to manufacturers whose names are given in this book.

A. L. Swett Iron Works, Glenwood avenue, Medina, N. Y. Medium and heavy gray iron castings, jack-screws, lawn vases, lawn iron settees, lawn rollers, stable fittings, stable mangers and hay racks, stable gutterings, iron watering troughs, cast iron sinks, cesspools, back water traps, laundry tray legs, clean outs, boiler stands and cesspool plates. Foreign agents, Cogigas & Quesada, 50 San Ignacio street, Havana, Cuba.

Swift Manufacturing Company, Columbus, Ga. Colored and white bedspreads, tickings, coverts, cottonades.

Swift & Company, Union Stock Yards, Chicago, Ill. Packers' products, such as bacon, sausage casings, hams, lard and compound lard, canned meats, oils, pork, stearine, wool, hides, fertilizers, glue, curled hair, soap and soap stock.

Swindell Brothers, Bayard and Russell streets, Baltimore, Md. New York office, 200 Broadway. Prescription, toilet water, cork perfumery, glass stoppered perfumery and chemists' bottles. London agency, International Bottle Company, London, England.

Syracuse Chilled Plow Company, 111 Wyoming street, Syracuse, N. Y. Hand and wheel plows, spring tooth and spike tooth harrows, manure spreaders, disc harrows, hand cultivators, potato and grape hoes, shovel plows, wheelbarrows, corn drills and drag scrapers. Cable address, "Chillplow," Syracuse. Codes: A B C Fifth edition, Lieber's, Western Union.

Syracuse Malleable Iron Works, Syracuse, N. Y. Malleable iron castings. ings.

Taber Mills, Coffin avenue, New Bedford, Mass. Cotton draperies, mercerized fabrics, yarn-dyed goods, shirtings; fancy cottons; silk and cotton mixed fabrics and cotton yarns.

Taber-Prang Art Company, Warwick street, Springfield, Mass. New York office, 225 Fifth avenue. Picture frames and art novelties, publishers of pictures and art products of various subjects and many grades.

The Tablet and Ticket Company, 624 West Adams street, Chicago, Ill. New York office, 381 Broadway. Originators and manufacturers of "Willson's" paper letters and figures (gummed), advertising stickers, "Willson's" office building directories, changeable bulletin, changeable base ball score boards, changeable signs, gummed labels, marking tickets, cardboard novelties, gold hat initials, advertising hangers and puzzles, hat size cards, card holders, sticker pins, price cards, signs for window advertising, coin mailing cards, etc.; cutting, gumming and varnishing for the trade. Cable address, "Tabtick," Chicago.

The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Export office, 233 Broadway, New York. Cartridge making machinery, surface and cylindrical grinders, thread milling machines; contract manufacturing of light machinery and of special tools used in manufacturing interchangeable parts of machinery. Code: Western Union.

Taggart Brothers Company, Watertown, N. Y. Rope papers and paper bags for flour, cement, lime plaster, coke and other products. Cable address, "Tagstore," Watertown. Code, Western Union.

C. J. Tagliabue Manufacturing Company, 18 Thirty-third street, Brooklyn, N. Y., Temperature and pressure controllers, Hohmann type and star top thermometers, hydrometers, oil testing instruments, mercurial and syphon gauges, hypodermic syringes, etc.

Tarentum Paper Mills, Second National Bank building, Pittsburgh, Pa. Mills at Tarentum, Pa. Western branch, 1229 South Wabash avenue, Chicago, Ill. Express and rope wrapping papers, ham wrapping, insulating and rope sack papers; flour, cement, lime and plaster paper sacks.

Tartar Chemical Company, 135 William street, New York. Cream of tartar and tartaric acid. Cable address, "Tartar," New York. Codes: Western Union, A B C.

The Samuel C. Tatum Company, Colerain and Monmouth avenues, Cincinnati, Ohio. New York office, 54 Lafayette street. Loose-leaf devices, loose-leaf metals, stationers' specialties, office punches, desk calendars, inkstands, paper weights, stick files, copying presses, copying appliances, catalog racks, broom racks, twine and mail boxes, paper punches operated by hand, foot, steam or electricity; paper perforators, single and multiple spindle paper drills; indexing and tab cutting outfits; round cornering machines, crimping and flexing machines. Jobbers of wire goods, stationers' glassware, cuspidors, postal scales and typewriter stands. Cable address, "Tatum," Cincinnati. Code: Western Union.

Taunton Oil Cloth Company, 96 Wales street, Taunton, Mass. Export office, 21 State street, New York. New York office, 54 Leonard street, Enamel, table and shelf oil cloth.

Taylor Instrument Companies, 95 Ames street, Rochester, N. Y. New York office, 31 Union Square. Thermometers, barometers, hydrometers, compasses, automatic regulators, pyrometers, sphygmomanometers, meteorological instruments, surgical instruments, temperature control and recording thermometers. Cable address, "Tycos" Rochester. Codes: A B C Fourth and Fifth editions, Western Union Universal edition.

Taylor, Stiles & Company, Riegelsville, N. J. Machine knives: planer knives, jointer knives, hog knives, moulding cutters, milled cutters, rag cutter knives; paper mill engine fly bars and bed plates; "Giant" stock cutting machinery: rag cutters, rubber scrap cutters, thread waste cutters, glue stock cutters, waste paper cutters; No. 5 "Giant" pulp shredder. Foreign agents: Waterous Engine Works Co., Ltd., Brantford, Ont., Canada, agents for Canada; J. Marx & Co., 133 Finsbury Pavement, London, E. C., England, agents for the United Kingdom. Cable address, "Taystiles," Riegelsville. Code, A B C Fifth Improved edition.

Taylor-Wilson Manufacturing Company, Thomson avenue, McKees Rocks, Pa. Machinery for making lap and butt welded wrought iron and steel pipe; pipe machines for threading, cutting-off, testing and straightening; hydraulic accumulators; skelp charging machines, skelp bending rolls; socket tapping machines; cutting-off machines, butt weld skelp chargers (patented magnetic.) Cable address, "Taywil," Pittsburgh. Code: Western Union.

Taylor & Crate, 2101 Elmwood avenue, Buffalo, N. Y. Hardwood lumber.

Taylor & Dean, Penn avenue and Twenty-fifth street, Pittsburgh, Pa. Fire escapes, fireproof porches, iron and wire fences, ornamental iron work, wire guards and railings, tool room enclosures, machine and belt guards, iron and brass grille work, wood or metal framed fly screens.

The Taylor & Fenn Company, 54 Arch street, Hartford, Conn. Drilling machines, spring foot presses, wet tool grinders, special and automatic metal working machines, gray iron machinery castings. Foreign agents: C. W. Burton, Griffiths & Co., London, England; Fenwick Frères & Co., Paris, France; R. T. Stokvis & Zonen, Rotterdam, Holland; H. P. Gregory & Co., Sydney, Australia. Cable address, "Fenco," Hartford. Codes: Western Union, Lieber's.

E. E. Taylor Company, 57 Lincoln street, Boston, Mass. Goodyear welt men's leather shoes. Foreign agent, Geo. H. Dunn, Cape Town, South Africa, agent for all British South and East Africa. Cable address, "Etaylor," Boston. Code: Western Union.

William H. Taylor & Company, 68 Orchard street, Newark, N. J. Platinum and 14-kt gold chain; swivels, spring rings and snaps in 10-kt, 14-kt. and 18-kt. gold and platinum. Foreign agents: Arthur F. Tero Co., Ltd., Havana, Cuba.

The A. Teachout Company, 331 West Prospect avenue, Cleveland, Ohio. Doors and interior finish.

Tecumseh Mills, Fall River, Mass. Cotton goods.

The Teeter-Hartley Motor Company, Hagerstown, Ind. Automobile motors, light inspection cars for railroads, piston rings. Foreign agents, John Millican Co., Belfast, Ireland. Code: A B C.

Robert Teller Sons & Dorner, 311 West Forty-third street, New York. Engraved music plates and music printing.

C. H. Tenney & Company, 8 Washington place, New York. Fur, wool, straw and cloth hats and caps. Cable address, "Hatenney," New York.

Terre Haute Brewing Company, 901 Poplar street, Terre Haute, Ind. Lager and bottled beers.

The Terry Brothers Company, Kingston, N. Y. New York agents, Standard Building Supply Co., 614 West Forty-seventh street. Common building brick.

The Terry Steam Turbine Company, corner Windsor avenue and Windsor street, Hartford, Conn. New York office, 90 West street. Steam turbines. Jobbers of generators, pumps and blowers used with turbine. Foreign agents: Fraser & Chalmers, Ltd., Melbourne, Australia; Johannesburg, South Africa; Erith, Kent, England; and Singapore, Straits Settlements; Oscar B. Cintas, Havana, Cuba.

Tetlow Manufacturing Company, 51 North Mascher street, Philadelphia, Pa. Face powders, toilet powders and rouges.

Textile Machine Works, Reading, Pa. Braiding machinery, wire insulating machinery, full-fashioned knitting machines. Foreign agents: J. B. Hyde & Co., Altrincham, Cheshire, England.

Textileather Company, Brown street and Lister avenue, Newark, N. J. New York office, 212 Fifth avenue. Leather substitute. Cable address, "Textilco," New York. Code: A B C Fifth edition.

Thacher & Company, Inc. (Victoria Shoe Company), 86 Lincoln street, Boston, Mass. Women's McKay shoes. Cable address, "Davisco," Boston.

Thatcher Manufacturing Company, 108 State street, Elmira, N. Y. New York office, 128 Broadway. Glass milk bottles and milk bottle caps.

John Thatcher & Son, 60 Park avenue, Brooklyn, N. Y. Building contractors.

Thermoid Rubber Company, Trenton, N. J. Export office, 250 West Fifty-fourth street, New York. Automobile casings and inner tubes, asbestos packing, asbestos brake lining, garden hose, hydraulic packings, pump valves, Crane lining for industrial machinery, gasoline hose; rubber belting, plain and stitched; four grades of radiator hose, hose for every purpose; reliners, asbestos clutch discs and facings, sheet packings in red and black; all kinds of rubber products to meet special requirements. Foreign agents: Seymour Obermer, Coventry, England. Cable address, "Thermoid," Trenton. Code, Western Union.

Thom & Bayley, 3 Washington place, New York. Men's and boys' soft fur felt hats. Cable address, "Thombay," New York. Codes: Unicode, A B C Fifth edition, Lieber's.

Thomas & Company, 410 Willoughby avenue, Brooklyn, N. Y. Boston office, 183 Essex street. Childrens' and misses' turn shoes. Cable address, "Samoht," Brooklyn.

Thompson Distilling Company, 319 First avenue, Pittsburgh, Pa. Pure rye whiskey.

The Thompson & Norris Company, 212 Concord street, Brooklyn, N. Y. Cellular shipping cases, photomailers, cellular board in sheets, corrugated paper in rolls and sheets, safety mailing cards, bottle wrappers, "Peerless" and "Rex" mailing tubes, "Klipnit" envelopes, carpet lining and corrugated paper specialties. Foreign agents: The Thompson & Norris Mfg. Co., Ltd., Warple Way, London, England; The Thompson & Norris Co. of Canada, Ltd., Niagara Falls, Ontario and Montreal, Quebec, Canada. Cable address, "Cortex," Brooklyn.

Thomson-Crooker Shoe Company, 22 Station street, Boston, Mass. Women's shoes in welts and McKays, high and low cuts. Foreign agents: Owessen & Co., Nedre Slotsgd 3, Christiania, Norway, and Vesterbrogade 41, Copenhagen, Denmark. Cable address, "Crookson," Boston. Code, A B C.

Thorne Neale & Company, Inc., 1417 Sansom street, Philadelphia, Pa. New York office, 17 Battery place. Anthracite and bituminous coal. Cable address, "Thorneale," New York. Codes, Western Union, A B C Fifth edition, Watkins, Scott's Tenth edition.

Three-in-One Oil Company, 42 Broadway, New York. "Three-in-One" oil in 1-oz., 3-oz. and 8-oz. bottles and 3-oz. oil can. Foreign agents: Donnell & Palmer, Whitehall building, New York, agents for South America and Europe; Reid & Reid, Wellington, New Zealand; John G. Rollins, Old Swan wharf, London, E. C., England, for Great Britain; Müller & Phipps, Englewood, N. J., for Continental Asia. Cable address, "Aspetong," New York.

The O. & W. Thum Company, Grand Rapids, Mich. Fly paper in sheets, ribbons and trees, sold under trade name "Tanglefoot." Foreign agents: Alabastine Co., British Ltd., Church street, So. Lambeth, London, S. W., England; Andrews, von Fischerz & George, Shanghai, China; Carlisle, Crocker & Co., Montevideo, Uruguay; Theodore Kunze, Daube & Co., Valparaiso, Chile; Societe Anonyme des Drogueries D' Egypte, Cairo, Egypt; Thomas Elk, Calcutta, India; Harris Bros. Co., Havana, Cuba; Hermann Hosiasson, Odessa, Russia; Johannsen, Felix & Co., Mexico City, Mexico; C. Kampman, Nijmegen, Holland; Phillipp Kaplan & Söhne, Taschkent, Russia; Societe Commercaile Pharmaceutique du Caucase, Tiflis, Russia; Louis Laubignat, Nantes, France; M. J. Sterelny, Aleutskaya street, Vladivostock, E. Siberia; Gosta Lindberg & Co., Stockholm, Sweden; Emilio Perera, Milan, Italy; J. F. Macadam & Co., Buenos Aires, Argentina; Chas. Markell & Co., Sydney, N. S. W., Australia; Muller Hermanos, Barcelona, Spain; S. Morton & Co., Cape Town, S. Africa; C. E. Sontum & Co., Christiania, Norway. Cable address, "Tanglefoot," Grand Rapids. Codes, A B C Fourth and Fifth editions, Western Union Universal edition and Lieber's.

Tide Water Oil Company, 11 Broadway, New York. Kerosene oil, gasoline, naphtha, gas oil, engine oil and general lubricating oils, including automobile oils, spindle oils, paraffine oils and cylinder stocks; petroleum coke, petroleum pitches, petroleum lubricating grease, crude scale and fully refined paraffine wax. Cable address, "Polaroil," New York. Codes, Western Union and A B C Fifth edition.

Tidewater Portland Cement Company, 969 Calvert building, Baltimore, Md. Portland cement and hydrated lime.

Tietjen & Lang Dry Dock Company, Seventeenth street and Park avenue, Hoboken, N. J. New York office, 15 Whitehall street. General repairs to all classes of iron and wooden vessels. Cable address, "Langdocks," Hoboken. Codes, A B C and Western Union.

The Timken-Detroit Axle Company, 132 Clark avenue, Detroit, Mich. New York office, 1790 Broadway. "Timken-Detroit" axles for pleasure cars, trucks and commercial vehicles; "Timken David Brown" worms and gears. Foreign agents: The Electric & Ordnance Accessories Co., Ltd., Birmingham, England.

The Timken Roller Bearing Company, Canton, Ohio. Roller bearings, electric steel and steel tubing.

Tip Top Waist and Dress Company, Inc., 134 West Thirty-seventh street, New York. Waists and dresses.

Tippett & Woods, Pillipsburg, N. J. New York office, 135 William street. Steel tanks, stacks, etc., made of steel plates riveted together. Cable address, "Tipwood," Phillipsburg. Code, Western Union.

Toch Brothers, 320 Fifth avenue, New York. Export office, 54 Stone street. "R. I. W." damp resisting paint, damp-proofing paints and compounds, enamels, varnishes, colors, chemicals, barium products, cement paints, steel preservative paints, anti-corrosive paints, anti-fouling paints, japan colors, ready mixed house paints. Foreign agents: Indestructible Paint Co., Ltd., King's House, King street, London, E. C., England; "R. I. W." Damp Resisting Paint Co., Oakville, Ont., Canada; Silvio Mazzaleni, 60 via Machievelli, Rome, Italy; Francis Holmes, Woodward street, Wellington, New Zealand. Cable address, "Adjuntador," New York. Code, Lieber's.

Todd Protectograph Company, 1050 University avenue, Rochester, N. Y. "Protectograph" check protector, "Protectograph" check writer, "Peerless" check writer, "Protod" checks. Cable address, "Protecto," Rochester. Code, A B C First edition.

The Toledo Bridge and Crane Company, Toledo, Ohio. Steel bridges, electric traveling cranes.

The Toledo Metal Furniture Company, 1100 Hastings street, Toledo, Ohio. Steel furniture: typewriter table-cabinets, high desk stools, adding machine stands and stools, magazine and catalog stands, office tables; cafe tables, chairs and stools; portable tool trays and trucks, factory stools and chairs. Cable address, "Tomefurco," Toledo. Codes, Lieber's and Western Union.

The Toledo Wheelbarrow Company, Broadway and Broadway place, Toledo, Ohio. Chicago office, 337 River street. Export agents: W. J. Kingsland, Inc., 24 State street, New York. Wheelbarrows of all kinds, drag and wheeled scrapers, coach and plain felloe plates.

William Tonk & Brother, Inc., 456 Tenth avenue, New York. Grand and upright pianos, player-pianos and electric player-pianos; piano stools and benches; piano scarfs and covers; cabinets for sheet music and player-roll music. Jobbers of talking machines and musical merchandise. Cable address, "Tonk," New York. Code, Lieber's.

Tool Steel Gear and Pinion Company, Elmwood place, Township avenue, Cincinnati, Ohio. Hardened gears and pinions especially for electric railway work, but also for various classes of industrial work. Foreign agents: Scholey & Co., Ltd., 56 Victoria street, Westminster, S. W., London, England; W. Meisterlin, Christiania, Norway; G. S. Albanese, Paris, France; C. S. Clarke & Co., Buenos Aires, Argentina. Cable address "Toolsteel," Cincinnati. Codes, A B C and Simplex.

William A. Tottle & Company, Inc., 120 Hanover street, Baltimore, Md. Export office, 116 Broad street, New York. Varnish brushes, flat and round paint brushes, kalsomine brushes, whitewash brushes, floor sweeps, counter dusters, etc. Cable address, "Tottle," Cincinnati.

A. J. Tower Company, Simmons street, Roxbury Crossing, Boston, Mass. Export agents, Wm. E. Peck & Co., 104 Pearl street, New York. New York office, 519 Broadway. Waterproof oil clothing and hats, waterproofed cotton fabrics, waterproofed horse covers. Foreign agents: Knud Conradsen, Copenhagen, Denmark; J. Z. Horter, Havana, Cuba; Peters & Sons, St. John's, Newfoundland; J. Arthur Taylor, Glasgow, Scotland; Geo. W. Lyon, Cape Town, South Africa; Carlisle, Crocker & Co., Montevideo, Uruguay; Ayers, James & Co., Auckland New Zealand, and Melbourne, Australia; Sigurjon Pjetursson, Reykjavik, Iceland. Cable address, "Rewot," Boston. Codes, A B C and Western Union.

Townsend Company, New Brighton, Pa. Coiled wire, cut and straightened wire, rivets of all sizes and kinds, wire nails, wire hooks and wire shapes. Cable address, "Townsend," New Brighton, Pa. Code, Western Union.

The Townsend Grace Company, 209 West Fayette street, Baltimore, Md. New York office, Fifth Avenue building. Men's straw hats; Panama hats, Porto Rican hats, Leghorn and Bankok hats. Cable address, "Ibis," Baltimore. Code, Western Union.

The H. P. Townsend Manufacturing Company, 8 Hoadley place, Hartford, Conn. Automatic hopper feed screw machines, riveting machines, drilling machines. Cable address, "Townco," Hartford. Codes, Lieber's Old and Five Letter editions.

The Transue & Williams Company, Alliance, Ohio. Drop forgings of every description; thresher teeth, connecting rods for traction engines, boiler clamps, links and pins for steel chains for dredging engines, flanges for ammonia connections, cold shuts and links for steam shovels, wrenches, chisels, punches, journal wedges for railway cars, draw-bar followers for locomotives and railroad cars; dies constructed for special forgings from one ounce to one hundred pounds each. Cable address, "Tranwilco," Alliance.

The Traut & Hine Manufacturing Company, 910 Stanley street, New Britain, Conn. Export office, 1 Union square, New York. Buckles for suspenders, garters, belts, clothing and straps; furniture nails and thumb tacks; safety razors; can openers; pencil sharpeners, daters and numbering machines. Cable address, "Trauthine," New Britain. Code, Western Union.

Traylor Engineering and Manufacturing Company, Allentown, Pa. New York office, 30 Church street. Amalgamating machinery, ball mills, "Clift's" automatic sampling machine, hydraulic classifiers, Blake and gyratory crushers, "Traylor" heavy duty crushing rolls, copper converters, copper smelting furnaces, safety mine cages and skips, ore dryers, elevators, ore feeders, silver-lead smelting furnaces, roasting furnaces, jigs, Chilian mills, Huntington mills, tube mills, centrifugal sand pumps, revolving stone and ore screens, "Sheridan" shaking grizzly, stamp mills, "Traylor" patented water jackets. Cable address, "Traylorian," Allentown. Codes, Western Union, A B C and Bedford McNeill's.

Tremont Lumber Company, Winnfield, La. Yellow pine lumber.

Tremont & Suffolk Mills, 70 Kilby street, Boston, Mass. Canton flannel, cotton blankets, cotton yarn, knit underwear. Selling agents for flannel, blankets and yarn, Catlin & Co., 345 Broadway, New York; selling agents for underwear, Wm. Iselin & Co., 357 Fourth avenue, New York.

Trenton Porcelain Company, 803 East State street, Trenton, N. J. Porcelain of all kinds for electrical purposes.

The Trenton Potteries Company, Trenton, N. J. Vitreous china closet bowls, lavatories, "Ideal" solid porcelain bath tubs, sinks and lavatories. Cable address, "Tepeco," Trenton.

Trevor Manufacturing Company, 166 Market street, Lockport, N. Y. Machinery for the following and allied products: shingles, barrel staves and heading, cooperage stock in general, cheese box, crate, box and fruit package stock, pail and tub stocks, handles and turned articles, including oars, paddles, spars, rollers, dowels, blades for aeroplane propellers, etc., wood pulp and chair stock. Jobbers of iron pipe, fittings, valves, bar iron and steel shafting, belting, general mill supplies. Cable address, "Trevor," Lockport.

W. F. Trimble & Sons Company, 1718 Pennsylvania avenue, Pittsburgh, Pa., General building contractors.

Trimont Manufacturing Company, 55 Amory street, Roxbury, Mass. "Trimo" Stillson pipe wrenches, monkey wrenches, chain wrenches, hand pipe cutters, basin wrenches. Foreign agents: The F. W. Horne Co., Tokio, Japan; Sociedad General de Representaciones, Madrid, Spain; William Johnston, Johannesburg, South Africa; Conrado Arostegui, Buenos Aires, Argentina; A. B. Laurantzon, Christiania, Norway; Otto Fuhrimann, Santiago, Chile; G. Castellazzo, Genoa, Italy; Johan Moller, Copenhagen, Denmark; Ardeshir D. Wadia & Co., Ahmedabad, India; Richardson, Orr & Co., 8 Bridge street, New York, agents for Australasia; Stanley G. Flagg & Co., 72 Turnmill street, London, E. C., England; Melchior, Armstrong & Dessau, Inc., Havana, Cuba, for Cuba and Porto Rico; Juan J. Font Co., Inc., Montevideo, Uruguay. Cable address, "Triwrench," Roxbury. Code, Western Union.

Trinity County Lumber Company, Groveton, Texas. Yellow pine.

The Triumph Electric Company (The Triumph Ice Machine Company), 3058 South street, Oakley, Cincinnati, Ohio. Direct and alternating current dynamos and motors, ice making and refrigerating machinery, ammonia fittings, ammonia compressors, distilling apparatus. Foreign agents: Hale & Co., Ltd., East Burger street, Bloemfontein, South Africa; N. & S. America Trading Co., Rio de Janiero, Brazil. Cable address, "Triumph," Cincinnati.

Albert Trostel & Sons Company (Phoenix and Star Tanneries), 612 Commerce street, Milwaukee, Wis. Calfskins, vealskins and side leathers in black, white and colors, grain and flesh finished in vegetable, Krom and combination tannages; collar leather sides, harness leather sides, Krom sole leather and yellow Krom lace sides; wax, finished and velvet splits. Foreign agents: Trostel Leather Co., 2 Leather Market, Western street, Bermondsey, London, S. E., England. Cable address, "Trostel," Milwaukee. Code, A. B. C. Fifth edition.

Trout Creek Lumber Company, Trout, La Salle Parish, La. Yellow pine lumber and lath. Code, Telecode.

The Troy Carriage Sunshade Company, 710 Lincoln avenue, Troy, Ohio. Automobile wind shields, wagon umbrellas, brewery tops, carpenter aprons, typewriter covers and numerous printed cloth advertising specialties. Jobbers of advertising caps. Foreign agents: A. E. Becker, Lima 371, Buenos Aires, Argentina. Cable address, "Sunshade," Troy, Ohio. Code, Western Union.

Troy Laundry Machinery Company, Ltd., Twenty-third and La Salle streets, Chicago, Ill. Laundry machinery, dyers' and cleaners' machinery, machinery for sterilizing and disinfecting clothing. Jobbers of laundry supplies. Foreign agents: James Armstrong & Co., Ltd., 116 Queen Victoria street, London, England; Richard Whichello & Co., Rio de Janeiro, Brazil; H. Fuhrmann & Co., Buenos Aires, Argentina; R. Bryce & Co., Pty., Ltd., Melbourne, Australia. Cable address, "Tolamaco," New York. Codes, Western Union, A B C Firth edition, Lieber's and private.

The Troy Wagon Works Company, Race and Mulberry streets, Troy, Ohio. Export office, 1876 Broadway, New York. Motor truck trailers, automobile trailers, reversible traction drawn wagons; team drawn wagons: farm, bottom dump and logging. Cable address, "Wagonworks," Troy, Ohio. Code, Western Union.

The Trumbull Electric Manufacturing Company, Plainville, Con. Export offices, Plainville, Conn., and 114 Liberty street, New York. Knife switches, push switches, snap switches, panel boards, cabinets, cut-outs, rosettes, attachment plugs, receptacles, armored cable, insulating joints, battery switches and wire connectors. Foreign agents: Geo. E. Willard, 1385 Calle Rivadavia, Buenos Aires, Argentina. Foreign branches: 26 Artillery lane, London, E. C., England; Barcelona, Spain; Sydney, Australia. Private code.

Trump Brothers Machine Company, Wilmington. Del. "Trump" drill chucks, "Fleetwood" and "Dexter" scroll saws, textile and light machinery for stitching and special purposes.

Trussed Concrete Steel Company, Trussed Concrete building, Youngstown, Ohio. Export office, 2 Rector street, New York. New York office, 110 West Fortieth street. Steel products for reinforcing concrete: "Kahn" bars, rib bars, "Hy-Rib" lath, "Floretyles" for floors, column hooping for columns, mesh for roads and slabs; "Rib" metal sash, base screeds, corner beads, etc.; pressed steel buildings. Jobbers of glass, putty, building specialties and tile. Foreign agents: American Trading Co., Kojimachi-Ku, Tokio, Japan, Shanghai, China, Rio de Janeiro, Brazil, and Buenos Aires, Argentina; Honolulu Iron Works Co., Honolulu, Hawaii; United Engineers, Ltd., Singapore, Straits Settlements; Brown & Co., Ltd., Colombo, Ceylon; Arracan Co., Ltd., Rangoon, Burma; McKenzies' Saw Mills, Ltd., Siwri, Bombay, India; Lindeteves-Stokvis, Semarang, Soerabaya, Batavia and Medan, Dutch East Indies; John Chambers & Son, Ltd., Auckland, Wellington, Dunedin and Christchurch, New Zealand; Behn Bros., Inc., San Juan, Porto Rico; J. Henry Steinhart, San Ignacio No. 6, Havana, Cuba; James M. Lawrie, 309 Central house, Kingsway, London, England. Cable address, "Kahncrete," Detroit. Codes, Century Standard, Western Union and United States Steel.

Tubular Rivet and Stud Company, 87 Lincoln street, Boston, Mass. Tubular and clinch rivets, shoe lacing hooks. Cable address, "Rivet," Boston.

Tubular Woven Fabric Company, Main and Carver streets, Pawtucket, R. I. Export agents: Wendell & MacDuffie Co., 61 Broadway, New York. Non-metallic flexible conduits for electrical wiring. Cable address, "Wenmac," New York.

W. W. & C. F. Tucker, 516 Asylum street, Hartford, Conn. Oil hole covers, oil cups; "Hercules" shears and rod cutters, hand lever. Foreign agents: Fenwick Frères & Co., 8 Rue de Rocroy, Paris, France; C. W. Burton, Griffiths & Co., Ludgate Hill, London, England. Cable address, "Rekcut," Hartford. Codes, Lieber's Five Letter edition and Western Union.

Nathaniel Tufts Meter Company, 455 Commercial street, Boston, Mass. Gas meters.

F. W. Tunnell & Company, Inc., 15 North Fifth street, Philadelphia, Pa. Glues, glue grease, fertilizers. Cable address, "Tunelco," Philadelphia. Codes, A B C and Lieber's Fifth edition.

Turner Machine Company, Danbury, Conn. Machine tools: vertical "Turner" turret lathes in various sizes, hand screw machines 5/8" to 1 1/8", drill speeder, splining attached; hat machinery: machinery and accessories for every process in the manufacture of fur and wool felt hats; automobile

turntables, for private and public garages, display turntables, etc. Foreign agents: Turner, Atherton & Co., Ltd., Denton (near Manchester), England. Cable address, "Machines," Danbury. Codes, Western Union, Premier and A B C.

The Turner & Seymour Manufacturing Company, Torrington, Conn. Drapery and upholstery hardware, brass and brass plated upholstery and chair nails, chain, egg beaters. Foreign agents: Walter P. Notcutt, Ltd., 8 White street, Moorfields, London, E. C., England; The H. Plant Trading Co., Calle Montevideo 255, Buenos Aires, Argentina. Cable address, "Turnseyco," Torrington.

The Tuttle Brick Company, Middletown, Conn. Common building brick.

The Tuttle, Morehouse & Taylor Company, 123 Temple street, New Haven, Conn. All kinds of printing, books printed and bound, blank books and loose-leaf sheets and binders.

A. C. Tuxbury Lumber Company, 233 Broadway, New York. Lumber.

Tweedy Silk Mills, Danbury, Conn. Silk hat bands and braids.

The XXth Century Heating and Ventilating Company, Ira and Edison avenues, Akron, Ohio. Warm air furnaces, gas furnaces, steam boilers and hot water boilers.

The W. S. Tyler Company, 3615 Superior avenue, Cleveland, Ohio. New York office, 290 Fifth avenue. Wire cloth and mining screen, screening machinery, laboratory testing apparatus, ornamental iron and bronze work, elevator cars and enclosures, stairways, store fronts, bronze doors, entrances, porte-cocheres, marquise, gates, grilles, bank and office railings, veranda railings, floor railings, ornamental fences, window guards. Cable address, "Tyler," Cleveland. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

The Udell Works, Indianapolis, Ind. Ladies' writing desks; library bookcases; cabinets for disc records and piano-player rolls; bedroom furniture; medicine cabinets, commodes, step, extension and long ladders; ironing boards and clothes racks.

Bernard Ulmann Company, Inc., 107 Grand street, New York. New York salesroom, 1130 Broadway. Art needlework materials. Cable address, "Worsted," New York. Code, A B C Fifth edition.

The Under-Feed Stoker Company of America, 111 West Monroe street, Chicago, Ill. New York office, 11 Broadway. "Jones" underfeed mechanical stoker. Foreign agents: E. H. Hunter & Co., Osaka, Japan; T. A. Chalmers, Jorhat, Assam, India. Cable address, "Jonestoke," Chicago. Codes, Western Union, Marconi, Business and Lieber's.

Underwood Typewriter Company, 30 Vesey street, New York. Typewriters, duplicators, computing, adding and billing machines. Cable address, "Levitical," New York. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Union-American Cigar Company, Twenty-eight and Smallman streets, Pittsburgh, Pa. Cigars, stogies, cheroots.

Union Biscuit Company, 1101 North Sixth street, St. Louis, Mo. Crackers and cakes or biscuits.

Union Carbide Company, Forty-second Street building, New York. Calcium carbide. Cable address, "Unicarbide," New York. Codes, Western Union and Lieber's.

Union Drawn Steel Company, 401 Seventh avenue, Beaver Falls, Pa. Export office, 460 Washington street, New York. Cold drawn steel bars, round, square and hexagon shapes. Foreign agents: Brown Bros., Ltd., London, England. Cable address, "Uniondrawn," New York. Codes, Lieber's, Western Union and A B C.

Union Furniture Company, Rockford, Ill. Furniture: Oak, walnut, birch and mahogany combination bookcases and library cases; china closets, buffets, music and parlor cabinets.

Union Iron Works, 600 East William street, Decatur, Ill. "Western" corn shellers and grain cleaners; elevating, conveying and power transmitting machinery; complete equipments and supplies for mills and elevators. Cable address, "Western," Decatur, Ill.

Union Iron Works, Spokane, Wash. Mining, smelting and saw mill machinery.

Union Iron Works Company, 311 California street, San Francisco, Cal. Shipbuilders and engineers.

Union Iron Works of Los Angeles, Inc., 519 Stimson building, Los Angeles, Cal. Factory at Sante Fe avenue and Fifty-second street, Vernon, Cal. Structural iron and steel, machine and forge shops, fabricators and erectors of structural steel, steel bridges and steel jail cells. Cable address, "Union Iron Works," Los Angeles.

Union Lime Company, 1600 Atlantic street, Los Angeles, Cal. Lime.

Union Lumber Company, Crocker building, San Francisco, Cal. Export agents. Redwood Export Co., Newhall building, San Francisco, Cal. Redwood lumber, shingles, ties, poles, tanks, silos, siding, interior finish. Cable address, "Ulco," San Francisco. Codes, A B C Fifth edition, Universal Lumber, Western Union and American Lumberman.

Union Manufacturing Company, New Britain, Conn. New York office, 26 Cortlandt street. Chucks of all kinds. Cable address, "Uchucko," New Britain. Codes, Lieber's, Western Union and A B C Fifth edition.

Union Meat Company, North Portland, Ore. Packing house products, such as bacon, beef products, butter, sausage casings, lard and compound lard, pork, hams, fertilizers, glue, hides and wool. Foreign agents: H. E. Hoffman, Honolulu, T. H.; S. S. Jacobs, Juneau, Alaska; H. A. Lane & Co., Ltd., London, England. Cable address, "Unionmeat," Portland, Ore. Codes, Western Union and A B C.

Union Oil Company of California, 1114 Union Oil building, Los Angeles, Cal. Fuel oils, Diesel oils, gasoline, benzine, naphtha, engine distillate, kerosene, asphalt and road oils, "Aristo" and "Motoreze" automobile oils, filtered steam cylinder oils, steam refined cylinder oils, gas engine cylinder oils, marine engine oils, engine oils, dynamo and machine oils, tanners' oil, mineral soap stock, mineral and oleo turpentine, waterproofing oil, hoof oil, sweeping compounds, lubricating greases. Cable address, "Petroleum," Los Angeles. Codes, Western Union and Scott & Bentley's.

Union Paper Company, 844 Washington street, New York. Mailing cases for liquids and dry substances, round paper boxes, ribbon blocks, mailing tubes and mill tubes.

Union Petroleum Company, Widener building, Philadelphia, Pa. Refineries at Clarendon, Pa., and Wellsville, N. Y. New York office, 17 Battery place. Kerosene oil, fuel oil, gasoline, grease, lubricating oil and petrolatum. Foreign branches: 17 Philpot lane, London, E. C., England; 30 Chapel street, Liverpool, England; Rue Blanche 12, Paris, France; Rempart Kipdorp 29, Antwerp, Belgium. Cable address, "Lucid," Philadelphia.

The Union Rolling Mill Company, Ætna road and East Eighty-second street, Cleveland, Ohio. Iron and steel bars.

Union Steam Pump Company, Battle Creek, Mich. Steam, power and centrifugal pumps, jet and surface condensers, vertical crank and flywheel air compressors, and crank and flywheel air compressors, horizontal type. Cable address, "Union," Battle Creek. Codes, Lieber's, Western Union, A B C and private.

The Union Stove Works, 70 Beekman street, New York. Stoves, ranges, laundry stoves, hot air furnaces, gas stoves and ranges. Jobbers of steam and hot water heaters. Cable address, "Unionstove," New York. Codes, A B C Fifth Improved edition, Lieber's and Western Union.

The Union Sulphur Company, 17 Battery place, New York. Miners of Louisiana crude brimstone guaranteed 99% pure. Cable address, "Unisulpco," New York. Codes, Western Union, A B C Fifth edition and Watkins.

The Union Switch and Signal Company, Swissvale, Pa. New York office, 30 Church street. Electro-pneumatic, alternating current or direct current electric, electro-mechanical and mechanical interlocking systems; automatic and semi-automatic block signal systems operating on either direct or alternating current; also, manually operated block signals and safety devices for railways. Foreign agents: Australian General Electric Co., Queens and Little Collins streets, Melbourne, Australia; Sud-Americana General Electric Co., Buenos Aires, Argentina; South African General Electric Co., Johannesburg, South Africa. Cable address, "Uniswitch," Swissvale. Code, New Business.

Union Tool Company, Los Angeles, Cal. Oil and water well tools, portable drilling rigs, gas and gasoline engines, steam drilling engines, general founders, well drilling tools, "double" underreamers. Cable address, "Oiltool," Los Angeles or Chicago. Codes, A B C, Lieber's and Western Union.

Union Wadding Company, Pawtucket, R. I. Cotton, cotton waste, etc.

United Alloy Steel Corporation, Canton, Ohio. Open-hearth and electric steels in form of universal mill plates, sheet bars, merchant bars, billets, forging blooms and slabs. Cable address, "Tusco," Canton.

United Cigarette Machine Company, Inc., Lynchburg, Va. Cigarette making and packing machines and repair parts therefor. Foreign agents: Robert G. Schwarz, Temple Dinsley, Branksome Park, Bournemouth, England, agent for Southern Europe; Edward H. Seel, 80 Coleman street, London, E. C., England, agent for Great Britain and Ireland. Cable address, "Crimped," Lynchburg and London. Codes, Western Union Five Letter edition, Lieber's, Century and A B C Fifth edition.

United Drug Company, 43 Leon street, Boston, Mass. New York office, 162 West Thirty-fourth street. Drugs; "Rexall" medicines and toilet articles, such as tooth paste, talcum powder, etc., with a complete line of perfumery; candies; complete line of fruit syrups and soda fountain supplies; full line of pharmaceuticals and fluid extracts, etc. Jobbers of stationery, rubber goods, druggists' sundries. Foreign agents: Alexander & Co., 28 Rue d'Hauteville, Paris, France; United Drug Co., 114 Old Hall street, Liverpool, England, and 78 Broadview avenue, Toronto, Canada. Cable address, "Rexall," Boston. Codes, A B C Fourth and Fifth editions.

United Engineering and Foundry Company, 305 Fifth avenue, Pittsburgh, Pa. Iron, steel and tube works machinery, forging presses, rolling mill equipment, steel castings, special machinery; pipe cutting, straightening, threading and testing machines; drop hammers, foundry cars, power shears, punches, hot and cold saws, accumulators, conveyors, plate bending rolls, sand, chilled steel and "Adamite" rolls, welding rolls. Cable address, "United," Pittsburgh. Codes, Lieber's and Western Union.

The United Gas Improvement Company, Philadelphia, Pa. Toluol, benzol, solvent naphtha, beta naphtha, crude naphthalene, flake naphthalene, sulphuric acid. Cable address, "Ladnar," Philadelphia.

United Paperboard Company, 171 Madison avenue, New York. Folding and stiff paper box boards, clay coated box boards and blanks.

United Piece Dye Works, Lodi and Hawthorne, N. J. New York office, 132 Madison avenue. Dyers, printers and finishers in the piece of all silk fabrics, silk and cotton mixed goods, silk and wool, etc.

United Shirt and Collar Company, Troy, N. Y. New York office, 229 Fourth avenue. "Lion" brand collars, cuffs, shirts, night robes and pajamas. Cable address, "Lion," Troy. Code, International.

United States Bobbin and Shuttle Company, 57 Eddy street, Providence, R. I. Bobbins, spools and shuttles for cotton, woolen and silk mills.

The United States Bung Manufacturing Company, 50 South Second street, Brooklyn, N. Y. Wooden bungs and plugs, iron reamers, borers, bits and bushes. Cable address, "Beeston," Brooklyn. Private code.

United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Export office, 904 Morris building, Philadelphia, Pa. New York office, 71 Broadway. Cast iron bell and spigot pipe and fittings; cast iron flange pipe and fittings; miscellaneous castings manufactured in loam, dry and green sand, gray iron castings manufactured to engineers' designs. Foreign agents: Purdy & Henderson, Havana, Cuba; Lion & Co., Sao Paulo, Brazil; Sobrinos de Ezquiago, San Juan, Porto Rico. Cable address, "Uscipipe," Philadelphia. Codes, Western Union, Lieber's and New Business.

The United States Electrical Tool Company, 2490 West Sixth street, Cincinnati, Ohio. New York office, 50 Church street. Electric drills, bench drills, universal motor drills, radial drills, screwdrivers, tire pumps, electric grinders, bench grinders, surface grinders, center grinders, buffing motors, floor grinders, heavy duty grinders. Cable address, "Electus," Cincinnati. Codes, Lieber's, A B C and private.

The United States Finishing Company, 320 Broadway, New York. Works at Norwich and Sterling, Conn., Pawtucket and Providence, R. I. Bleachers, mercerizers, dyers, printers and finishers of cotton piece goods.

United States Glass Company, Pittsburgh, Pa. New York office, 1101 Broadway. Glassware for table and household use, glassware blanks for cutting, glass pumps, all kinds of fancy, pressed and blown glass drinking vessels, glass show jars and utility jars. Branches at 55 Farringdon street, London, England, and Commerce building, Sydney, Australia, Foreign agents: Jorge Fortun, Apartado 948, Havana, Cuba; Ramon Lomelin, Avenida Francisco I. Madero 55, Mexico City, Mexico.

The United States Graphite Company, Holland avenue, Saginaw, Mich. New York office, 30 Church street. Dry graphite for all purposes, foundry facing, plumbago, graphite greases, lubricating graphite, boiler graphite, pencil making graphite, motor and generator brushes, graphite and carbon discs, tubes, rods, contacts and specialties. Cable address, "Mexican," Saginaw. All codes.

United States Gutta Percha Paint Company, 12 Dudley street, Providence, R. I. Paints and varnishes.

United States Gypsum Company, 205 West Monroe street, Chicago, Ill. New York office, 1170 Broadway. Gypsum products: hard wall plaster and finishes, "Sackett" plaster boards, "Pyrobar" gypsum tile, "Pyrobar" roof deck, "Pyrobar" floor tile. Cable address, "Gypco," Chicago. Code, A B C Fifth edition.

United States Hame Company, 135 Tonawanda street, Buffalo, N. Y. All kinds of wood and steel hames for horses and mules; all kinds of trimmings, including malleable, steel and composition for wood and steel hames, steel gig and coach hames for buggy harness. Cable address, "Hames," Buffalo. Codes, Western Union and International Cable Register of the World.

United States Headlight Company, 8 Letchworth street, Buffalo, New York. Steam turbo-generator sets for electric headlights, oil and acetylene headlights for locomotive and industrial purposes; electric incandescent headlights for steam and interurban railways. Cable address, "Headlight," Buffalo. Code, A B C Fifth edition.

The United States Paper Goods Company, 1224 West Eighth street, Cincinnati, Ohio. Envelopes, paper bags, folding boxes and paper specialties. Cable address, "Paperus," Cincinnati. Codes, A B C Fifth edition and private.

The United States Playing Card Company, Cincinnati, Ohio. New York office 432 Fourth avenue. Playing cards, poker chips, educational card games, duplicate whist, score pads, etc. Foreign branches at 68 Shoe lane, London, E. C., England; College street and Manning avenue, Toronto, Canada. Cable addresses, "Bicyclcard," Cincinnati and New York; "Mautarot," London. Codes, A B C Fourth and Fifth editions, Western Union Universal edition, Marconi's Wireless and Cable, Gurnee's Cipher and Lieber's.

United States Powder Company, 801 Terre Haute Trust building, Terre Haute, Ind. Black powder.

United States Rubber Export Company, Ltd., 1790 Broadway, New York. Practically everything made of rubber; such as boots and shoes, sporting shoes, soles and heels, automobile, bicycle and motor cycle tires, belting, water, steam, air and fire hose and supplies, packings and gaskets, mats, flooring and tiling, India rubber thread, electrical wire and cable, insulated wire, physicians' and druggists' supplies, blankets, capes, sheeting, waterproof clothing, hard rubber, etc. Branches at Caixa Postal 789, Rio de Janeiro, Brazil, and San Martin Esquina Lavalle, Buenos Aires, Argentina. Foreign agents: India Rubber Products Co., Ltd., 47 Farringdon street, London, E. C., England, and 16 Rue Halevy, Paris, France; India Rubber Products Co., S. A., Calle de Genova 3, Madrid, Spain. Cable addresses, "Usrubco," New York, for England, France and Spain; "Rubexport," New York, for all other countries. Codes, A 1, A B C Fourth and Fifth editions, Lieber's, Western Union Universal and Five Letter editions and private.

United States Rubber Reclaiming Company, Inc., 30 East Forty-second street, New York. All grades of reclaimed rubber. Foreign agents: Arthur Meyer & Co., 29 Mincing lane, London, E. C., England. Cable address, "Remirado," New York. Codes, Lieber's, Western Union, A B C Fourth and Fifth editions.

United States Stamping Company, Moundsville, W. Va. New York office, 309 Broadway. Enameled ware: cooking utensils, hospital and drug supply utensils. Cable address, "Sanders," Moundsville.

The United States Varnish Company, 2616 Colerain avenue, Cincinnati, Ohio. Varnishes.

United States Worsted Company, 60 Federal street, Boston, Mass. New York address, 257 Fourth avenue. Woolens and worsteds.

United & Globe Rubber Manufacturing Companies, Trenton, N. J. Rubber belting, packing, hose and mechanical rubber goods.

Universal Winding Company, 95 South street, Boston, Mass. New York office, 1 Madison avenue. Winding machines for the textile and electrical trades; also specialties in textile machinery. Foreign agents: Universal Winding Co., Manchester, England; I. H. Renaud, Universal Winding Co., Paris, France; Robert Hibbert, Basle, Switzerland; Wm. H. Brady & Co., Bombay, India; Thomas B. McGovern, Jr., Rio de Janeiro, Brazil. Cable address, "Leeson," Boston and Manchester. Codes, A B C Fifth edition and Lieber's Five Letter.

The Upson Nut Company, Cleveland, Ohio. Export office, 17 Battery place, New York. Bolts, nuts and rivets of every size and description. Foreign agents: Markt & Co., London, England; A. J. Sage & Co., Melbourne, Australia. Cable address, "Calabash," New York. Code, Western Union.

Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y. Selling agents, Taylor, Clapp & Co., 109 Worth street, New York. Wide sheetings, sheets and pillow cases, yarns for weaving and knitting trade.

Utz & Dunn Company, 37 Canal street, Rochester, N. Y. New York office, 405 Fifth Avenue building. Ladies' boots and shoes in fine and medium grades in turns, welts and McKays. Foreign agents: Laird, Schober & Co., 27 Maddox street, London, England. Cable address, "Utzdun," Rochester. Code, Western Union.

Valentine & Company, 456 Fourth avenue, New York. Varnishes, japan colors, paints, enamels. Foreign agents: Lemoine, 21 Rue de Lappe, Paris, France; J. Rose & Co., Prinsengracht 762, Amsterdam, Holland; Ernest Turner, 247 Pentonville road, London, England; Darr & Goldenberg, Buenos Aires, Argentina. Cable address, "Copal," New York. Codes, A B C Fifth edition and Lieber's.

M. D. Valentine & Brother Company, Woodbridge, N. J. Export agents, Arthur N. Pierson & Co., Woolworth building, New York. Fire brick, fire clays, cupola linings a specialty.

The Valley Camp Coal Company, 319 Rockefeller building, Cleveland, Ohio. Coal.

Van Bracklin & Stover Company, Amsterdam, N. Y. Export office, 346 Broadway, New York. Men's and boys' balbriggan and mesh shirts, drawers and union suits.

Vandalia Coal Company, Rose Dispensary building, Terre Haute, Ind. Coal.

Van Dorn Electric Tool Company, 2978 Woodhill road, Cleveland, Ohio. New York office, 30 Church street. Portable electrically operated drilling, reaming and grinding machines. Foreign agents: Alfred Herbert, Ltd., Coventry, England; Alfred Herbert (France), Ltd., Paris, France; Alfred Herbert, Ltd., Milan, Italy; Takata & Co. (New York), Tokio, Japan. Cable address, "Vandet," Cleveland. Codes, Lieber's and A B C.

The Van Dorn Iron Works Company, 2685 East Seventy-ninth street, Cleveland, Ohio. Metal office furniture, lockers and shelving. Cable address, "Demon," Cleveland. Codes, Lieber's and Western Union.

The Van Dorn & Dutton Company, 2978 Woodhill road, Cleveland, Ohio. Motor gear and pinions, automobile and tractor gears, mill and machinery gears. Foreign agents: Ditta Silvio Vanni, Via Guastalla 9, Milan, Italy; Anger Mfg. and Supply Co., Preston, Lancs., England. Cable address, "Vanton," Cleveland.

Van Dyk & Company, Inc., 4 Platt street, New York. Perfumers' raw material, perfume oils for soap makers, essential and synthetic oils, concentrated flavoring extracts, rare chemical products. Foreign connections: Van Dyk & Co., Jesus Maria 57, Havana, Cuba; Edmundo Stahl y T., Lima, Peru; Leopoldo Yanes & J. Tirado, Jr., Caracas, Venezuela; Schoene & Schilling, Caixa do Correio 564, Rio de Janeiro, Brazil. Cable address, "Namresi," New York or Havana. Code, A B C Fifth.

E. Van Nordeh & Company, 100 Magazine street, Boston, Mass. Sheet metal and rolled steel puttyless skylights, ventilators, hollow metal frames and sash, kalamein doors and frames, architectural copper work and general sheet metal work. Jobbers in rolled steel sash.

---

corroders of white lead; varnish stains; enamels; wood fillers; artists' oil colors; school water colors; brushes; varnishes for house, furniture, carriages and automobiles; japans, lacquers; materials for the "Munsell" color system. Jobbers of Alabastine, Frescoine, dry colors, artists' and draftsmen's supplies, drawing and tracing papers, tracing cloth and canvas. Cable address, "Wadshow," Boston.

Wadsworth Manufacturing Company, Kercheval avenue and Connor's creek, Detroit, Mich. Sedan and closed automobile bodies, automobile parts; automobile painting and trimming. Cable address, "Motorcar," Detroit.

Wagner Electric Manufacturing Company, 6400 Plymouth avenue, St. Louis, Mo. Export office, 30 Church street, New York. Motors, transformers, electric starters for automobiles, etc.

Wagner Pastry Company, 18 Johnson street, Newark, N. J. Pies.

E. R. Wagner Manufacturing Company, North Milwaukee, Wis. Children's collapsible go-carts and sulkies, baby carriage gears and fixtures. Cable address, "Wagnerco," North Milwaukee. Code, A B C Fifth edition.

Waite-Thresher Company, Abbott Park place, Providence, R. I. New York office, 7 Maiden lane. Brooches, collar pins, cuff pins, scarf pins, rings, fobs, tie clasps, neck chains, lorgnette chains and pendants, all in gold, silver and plate; jewelers' findings in gold, silver and plate; thimbles in gold, silver and gold filled. Cable address, "Waiteco," Providence.

Walcutt Brothers Company, 141 East Twentieth street, New York. Wall paper and decorations, wall pockets, labels, show cards and general embossing paper novelties. Cable address, "Wall," New York.

Walden Knife Company, Walden, N. Y. Pocket knives.

John Waldron Company, New Brunswick, N. J. Machinery for manufacturing wall paper, coated papers, linoleum, oil cloth, artificial leather, sand paper, photographic papers, playing cards; flat blocks, rotary surface and copper roll printing machines; rotary embossing machines and calendars. Cable address, "Waldron," New Brunswick.

Walker Weiss Axle Company, St. John street and Hamilton avenue, Flint, Mich. Automobile axles and hubs.

The Walker & Barkman Manufacturing Company, 408 Main street, Hartford, Conn. Automobile parts and accessories; interchangeable parts for all purposes built under contract.

J. L. Walker & Company, 601 Washington street, Lynn, Mass. Boots and shoes.

W. & H. Walker, Herr's Island, Pittsburgh, Pa. Toilet waters, toilet articles, pharmaceutical preparations, polishes, varnish stains, disinfectants, food products, jelly powders, canned soups, preserved fruits, chocolate and cocoa, baking powder and spices, laundry and toilet soaps, flavoring extracts, etc. Cable address, "Chandler," Pittsburgh. Codes, Western Union and Postal.

Wall Rope Works, Inc., Beverly, N. J. Export office, 48 South street, New York. Manila, sisal and Russia cordage, manila drilling cables, transmission rope, oakum.

The P. Wall Manufacturing Supply Company, 3058 Preble avenue, Pittsburgh, Pa. New York office, 50 Church street. Brazed steel bench oilers, torches, engineers' oilers; lamps for railroads, mills, factories and mines; steel gong bells; galvanized steel ice cans, oil tanks, street cans, waste cans; foundry buckets, tote boxes and mortar buckets; copperized steel oilers, torches and lamps. Cable address, "Wall," Pittsburgh.

Wallace & Company, Washington and Park avenues, Brooklyn, N. Y. Candies and chocolates.

The R. Wallace & Sons Manufacturing Company, Inc., Wallingford, Conn. Export office, 411 Fifth avenue, New York. Sterling silver hollow-ware, flatware, toiletware and novelties; plated hollow-ware and flatware; plated hotel hollow-ware and flatware; silver plated cutlery. Cable address, "Enrecul," Wallingford. Codes, Lieber's and Western Union.

The Waltham Bleachery and Dye Works, 50 State street, Boston, Mass. Bleachers, dyers and finishers of cotton piece goods.

Waltham Grinding Wheel Company, 115 Bacon street, Waltham, Mass. Emery wheels, corundum wheels, "Alowalt" grinding wheels (artificial abrasive), "Carbowalt" grinding wheels (carbide of silicon). Foreign agents: L. G. Milne, Ltd., 52 Bermondsey street, London, England; Suermondt & Dumont, 55 Rue des Petites Ecuries, Paris, France; Ertack Bros., Post Box 87, Moscow, Russia; L. A. Gindrat, 22 Route de la Cote, Neuchatel, Switzerland. Cable address, "Emerwalt," Waltham. Codes, Lieber's, A B C Fourth and Fifth editions and Western Union.

William Waltke & Company, Second street and East Grand avenue, St. Louis, Mo. Laundry and toilet soaps, soap chips, soap powder and toilet articles. Jobbers of steam laundry supplies. Cable address, "Waltke," St. Louis. Codes, A B C Fourth edition and Western Union.

A. G. Walton & Company, Boston, Mass. Boys' and girls' medium priced McKay shoes. Cable address, "Walton," Boston.

Ward Baking Company, Southern boulevard and East One Hundred and Forty-third street, New York. Bakers.

Ward Meehan Company, Inc., Lehigh avenue and Howard street, Philadelphia, Pa. New York office, 89 Worth street. Turkish towels, face cloths, bath robes and robe cloth.

Ward Motor Vehicle Company, South Fulton avenue, Mount Vernon, New York. Commercial electric vehicles of capacities ranging from 750 to 10,000 pounds. Foreign agents: Krieger Electric Carriage Syndicate, London, England; Walter C. Airey, Capetown, South Africa; Bertel O. Steen, Christiania, Norway; A. H. Harris, Christchurch, New Zealand; Frank G. Robins, Havana, Cuba. Cable address, "Wamoveco," Mt. Vernon, N. Y. Code, A B C Fifth edition.

Montgomery Ward & Company, Chicago avenue bridge, Chicago, Ill. New York office, Bowne and Imlay streets, Brooklyn. Food products, lubricating oils and greases, stock foods and tonics, horse drawn vehicles, harness, riding saddles, farm implements, paints. Jobbers of general merchandise. Foreign agents: G. Strauss & Co., 204 Yamashita-Cho, Yokohama, Japan; Montgomery Ward & Co., 52 Rue des Petites Ecuries, Paris, France. Cable address, "Thornward," Chicago. Codes, Lieber's Five Letter American, Western Union and A B C Fifth Improved edition.

Waring Hat Manufacturing Company, Vark street, Yonkers, N. Y. Soft and stiff fur felt hats. Cable address, "Waring," Yonkers. Codes, Lieber's and A B C.

The Warner Brothers Company, 325 Lafayette street, Bridgeport, Conn. Export office, 225 Fifth avenue, New York. "Redfern" corsets, "Warner's Rust-Proof" corsets, "Warner" brassieres, "Gilt Edge" brassieres, "Perfection" muslin waists, skeleton waists, corset accessories, paper boxes, corset steels. Foreign agents: Vyse, Sons & Co., Ltd., London, England; Richardson, Orr & Co., Melbourne, Australia; O. O. Fortner, Cape Town, South Africa; Duzaine Hansen, Copenhagen, Denmark. Cable address, "Warndy," New York. Code, A B C.

---

to manufacturers whose names are given in this book.

Warner Gear Company, Muncie, Ind. Transmission gears, steering gears, differential gears, clutches, control levers and torque tubes for automobiles.

Warner-Quinlan Asphalt Company, 79 Wall street, New York. Asphalt refiners.

Warner Sugar Refining Company, 79 Wall street, New York. Sugar and syrups. Cable address, "Renrawcomp," New York. Code, Western Union.

The Warner & Swasey Company, 5701 Carnegie avenue, Cleveland, Ohio. New York office, 149 Broadway. Turret lathes, screw machines and brass working machinery. Foreign agents: Charles Churchill & Co., 9 Leonard street, London, England; Schuchardt & Schutte, Tokio, Japan; Allied Machinery Co. of America, 19 Rue de Rocroy, Fenwick Frères & Co., 8 Rue de Rocroy, and H. H. Miner, 43 Rue des Mathurins, Paris, France; Morris & Bramer, Petrograd, Russia; Pablo Torrens, Barcelona, Spain; Allied Machinery Co. of America, Milan, Italy; A. Asher Smith and Benson Bros., Sydney, Australia. Cable address, "Swasey," Cleveland. Codes, Lieber's, Lieber's New Five Letter and Everybody's Pocket.

W. H. Warner & Company, 1606 Union National Bank building, Cleveland, Ohio. Miners and shippers of bituminous coal.

Warren Axe and Tool Company, Warren, Pa. New York agent, B. S. Adler Company, 30 Warren street. Axes of all patterns; peavies; logging tools: hooks of various kinds, pike poles, timber carriers, log grabs, dogs of various kinds, bark and cedar spuds, connecting links and numerous other logging tools; "O. K." and "Pacific" patent saw handles, axe, canthook and peavy handles; "Huntington" pattern emery wheel dressers and cutters and drop forgings. Cable address, "Warrenaxe," Warren, Pa. Code, Western Union.

Warren Foundry and Machine Company, 11 Broadway, New York. Cast iron pipe of all sizes, bell, spigot and flanged; fittings for cast iron pipe, large and small cylinders, special castings for paper works, chemical works, etc.

Warren Manufacturing Company, Warren, R. I. Cotton fabrics and yarns: cambrics, muslins, sateens, twills, fancy dress goods, etc.; fine yarns carded and combed in cops, cones, skeins and beamed or in chain warps, single and twisted.

Warren Packing Company, 1107 Yeon building, Portland, Ore. Canned, pickled and frozen salmon. Cable address, "Chinhook," Portland. Code, A B C Fifth edition.

Warwick Mills, Centreville, R. I. Boston office, 49 Federal street. New York office, 56 Worth street. Cotton, silk and worsted goods.

Warwood Tool Company, Wheeling, W. Va. Export agents, C. K. Turner & Son, 116 Broad street, New York. Picks, mattocks, grub and hazel hoes, coal miners' tools, sledges and heavy hammers, wedges and crow bars. Cable address, "Wartoolco," Wheeling. Code, Western Union.

Washburn Brothers Company, foot of Jersey avenue, Jersey City, N. J. Common brick. Jobbers of mason's materials, lime, lath, cement, etc.

Washburn-Crosby Company, Chamber of Commerce building, Minneapolis, Minn. New York office, 17 Battery place. Wheat and rye flour and by-products. Cable address, "Crosby," Minneapolis.

Washburn, Williams & Co., 111 Meridian street, Scranton, Pa. Lumber and general mill work.

The Waterbury Battery Company, 1036 South Main street, Waterbury, Conn. Electric batteries, battery zincs, battery oxides, motor battery, primary battery of high and low resistance. Jobbers of battery jars, covers and connecters. Cable address, "Batteryco," Waterbury, Conn. Code, Western Union.

Waterbury Buckle Company, Waterbury, Conn. Buckles and metal specialties of brass and steel.

Waterbury Clock Company, Waterbury, Conn. Export office, 137 Centre street, New York. Clocks. Foreign branches: 144 Ingram street, Glasgow, Scotland; 33 Fann street, London, E. C., England. Foreign agents: R. H. Patuck & Co., 14 Custom House road, Bombay, India; L. Buhler, Calle Rivadavia 1164, Buenos Aires, Argentina; B. Singer & Co., 281 George street, Sydney, Australia. Cable address, "Seminole," New York.

Waterbury Company, 63 Park Row, New York. All kinds of wire rope, manila and sisal rope and cordage, marline covered rope known as "Fibreclad," armored wire rope known as "Gore Patent," music wire for springs, piano wire and binder twine. Cable address, "Waterbury," New York. Codes, Western Union, A B C Fifth edition, Lieber's and General Telegraph.

The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Designers and builders of machines for making sheet brass, brass wire and tubing, rivets, nuts, eyelets, collapsible tubes, etc. Cable address, "Foundry," Waterbury. Codes, Lieber's and A B C.

Waterbury Rolling Mills, Inc., 684 Watertown avenue, Waterbury, Conn. Brass, German silver, bronze and gilding metal in sheets and rolls.

Waterford Knitting Company, Waterford, N. Y. New York office, 346 Broadway. Men's and women's flat wool underwear.

Horace Waters & Company, 134 Fifth avenue, New York. Pianos and player-pianos.

R. E. Wathen & Company (Old Grand Dad Distillery Company), 104 West Main street, Louisville, Ky. Whiskey, grain alcohol, spirits and fusel oil. Cable address, "Grandad," Louisville.

Watkins Coal Company, 120 Broadway, New York. Bituminous coal. Jobbers of coke and anthracite coal. Cable address, "Watkoal," New York.

The Watson Machine Company, Paterson, N. J. Machinery for making cordage, rope, binder twine, fibre and wire stranding and cabling. Cable address, "Watson," Paterson.

The Watson Stillman Company, Aldene, N. J. Export office, 50 Church street, New York. Hydraulic machinery, including presses, pumps, accumulators, jacks, valves and fittings. Cable address, "Hydjack," New York.

H. F. Watson Company, Erie, Pa. Building, roofing and insulating papers; asbestos materials, pipe coverings and cements. Cable address, "Watson," Erie. Codes, Lieber's and Western Union.

The Watt Mining Car Wheel Company, Barnesville, Ohio. Wood and steel mine cars, ore cars, quarry cars, industrial cars, cane cars, mine car irons, wheels and axles, mine car wheels, mine car axles, castings, etc. Cable address, "Watt," Barnesville. Codes, A B C and Lieber's.

The Watts Campbell Company, 298 Ogden street, Newark, N. J. Corliss steam engines and special machinery. Cable address. "Watscam," Newark, N. J. Code, Lieber's.

A. J. Watts Company, 30 Church street, New York. Watts' crystal gold for dental purposes, especially as filling material. Cable address, "Grantwood," New York. Codes, A B C Fourth edition and Western Union.

Wayne Knitting Mills, Fort Wayne, Ind. New York office, 225 Fourth avenue. Cotton, lisle and silk hosiery.

Wayne Oil Tank & Pump Company, Fort Wayne, Ind. New York office, 1790 Broadway. Self-measuring and non-measuring oil and gasoline pumps, hand and power driven; light and heavy metal oil and gasoline storage tanks. Cable address, "Waynoil," Fort Wayne. Codes, A B C Fifth Improved edition, Lieber's, Western Union and private.

Weaver Manufacturing Company, Springfield, Ill. Garage equipment: auto twin jacks, auto ambulance, forcing presses, grease pumps, towing poles, drill chucks and special tools. Cable address, "Weaver," Springfield, Ill. Codes, Lieber's and Western Union.

Weaver Piano Company, York, Pa. "Weaver", "York", "Livingston" pianos and player-pianos; piano benches. Jobbers of piano stools and benches, player-piano benches, piano scarfs and covers. Cable address, "Weaver," York. Code, Western Union.

Weber Electric Company, Schenectady, N. Y. Electrical wiring devices, sockets, receptacles, fuse plugs, rosettes, cut-outs, etc.; also, porcelain cleats, knobs, insulators, etc.

Webster Company, Broadway and Bank street, North Attleboro, Mass. New York office, 9 Maiden lane. Sterling silver toilet ware, table articles and novelties.

Webster Manufacturing Company, Station B. Superior, Wis. Chairs and stools.

F. S. Webster Company, 332 Congress street, Boston, Mass. "Star" brand typewriter ribbons, "Multikopy" typewriter carbon papers, pencil carbon papers, pen carbon papers, typewriter oil, copying cloths, pencil sharpeners. Cable address, "Nonfilling," Boston. Codes, Adams and Western Union.

Warren Webster & Company, Point and Pearl streets, Camden, N. J. Export office, 71 Murray street, New York. "Webster" system of steam heating specialties, feed water heaters, oil and steam separators. Foreign agents: Darling Brothers, Ltd., Montreal, Canada; The Atmospheric Steam Heating Co. (1907), Ltd., 22 Broadway, Westminster, London, England. Cable address, "Metro," Camden.

The Weidlich Brothers Manufacturing Company, Bridgeport, Conn. Export office, 200 Fifth avenue, New York. Silver and gold plated ware; silver plated table specialties, salt and pepper sets, sandwich plates, cheese sets, mayonnaise sets, vases, candlesticks, candelabra, prize cups, clocks, jewel cases, puff jars, tobacco jars, smokers' articles electric desk lamps, electric candlesticks, flash lamps, novelties, etc.; sterling silver specialties, fancy flatware, baby spoons, baby sets, napkin markers, vases, hollow-ware, novelties, etc. Cable address, "Weidlamp," New York. Code, A B C Fifth edition.

Weidmann Silk Dyeing Company, Fifth avenue and Erie railroad, Paterson, N. J. Skein silk dyeing.

Weimar Brothers, 2046 Amber street, Philadelphia, Pa. Tapes, bindings and narrow fabrics.

The Weis & Lesh Manufacturing Company, Muncie, Ind. Oak and hickory spokes, meat skewers, floral, flag and candy sticks, dowels, etc.

Weiss Engine Company, 17 Battery place, New York. Stationary horizontal oil engines, vertical marine oil engines and air compressors. Cable address, "Wengico," New York. Codes, Western Union, Lieber's A B C Fourth and Fifth editions.

Cornelius Weiss, 258 Front street, Brooklyn, N. Y. Naval uniforms and hats.

Welch & Company, 244 California street, San Francisco, Cal. New York office, 138 Front street. Raw sugar. Cable address, "Welch," San Francisco. Codes, Excelsior, A 1, A B C and Western Union.

Weller Manufacturing Company. 1856 North Kostner avenue, Chicago, Ill. New York office, 25 Church street. Elevating, conveying and power transmission machinery. Cable address, "Weller," Chicago.

The Wellman-Seaver-Morgan Company, 7006 Central avenue, Cleveland, Ohio. New York office, 50 Church street. Mining machinery: steam and electric driven hoists in any combination for any service, cages, skips, ore cars, safety devices, sheaves, car tipples, head frames, Chilian mills; hydraulic turbines for vertical and horizontal settings; steam engines with Corliss slides and piston valves; simple, duplex, compound and tandem compound; iron and steel work equipment: open hearth furnaces, charging machines, manipulators, "Hughes" continuous mechanically poked gas producers, "Forter" water sealed reversing gas valves, blooming mills and engines; by-product coke oven machinery: coal levelers, coke pushers, door extractors in separate or combined machines; charging cars, quenchers and loaders; ore and coal handling machinery: "Hulett" automatic vessel unloaders, stocking bridges, buckets, car dumpers, revolving derricks, bucket handling cranes. Cable address, "Wellsea," Cleveland. Codes: Western Union, A B C Fourth and Fifth editions, Lieber's.

A. H. Wells & Company, Inc., 561 Watertown avenue, Waterbury, Conn. Seamless brass and copper tubing.

Welsbach Company, Essex street, Gloucester, N. J. Incandescent gas mantles and burners, kinetic lighting system, semi-indirect bowl lights, hydro-carbon lamps, gas appliances, glassware and full line of sundries. Cable address, "Welsbach," Gloucester. Codes: A B C Fourth and Fifth edition, Lieber's and Western Union.

The S. S. Wenzell Machine Company, 5000 Parkside avenue, Philadelphia, Pa. "Eick" and "Ideal" bottle washing machines, "Triplex" milk bottle filling and capping machine, rubber and bristle brushes for washing bottles. Foreign agents: Robt. E. Russell & Co., London, England. Cable addresses: "Wenzell," Philadelphia (Lieber's code,) and "Wenzox," Philadelphia (Western Union code).

The M. Werk Company, St. Bernard, Cincinnati, Ohio. Soaps, soap powder; candles, principally stearine and composition wax; all grades of stearic acid: oleic acid or red oil in all grades; all grades of glycerine. Cable address, "Werk." Cincinnati. Code: A B C Fifth Improved edition.

Werner & Pfleiderer Company, Saginaw, Mich. Export office, 41 Park row, New York. Mixing machines for all purposes, more particularly chemical, rubber, paper, celluloid, cellulose, explosives, linoleum, klingerit, fertilizer, photographic films, rubber cements and rubber washing; bakers' machinery and ovens; macaroni and noodle machinery; flour blending; conveying and elevating machinery; automatic weighing machinery for pastes, liquids and powders. Cable address, "Kneadingly," Saginaw. Codes: A B C, Western Union.

Wessell, Nickel & Gross, 457 West Forty-fifth street, New York. Piano actions and piano hammers.

West Boylston Manufacturing Company, Easthampton, Mass. New York agents, J. H. Lane & Co., 334 Fourth avenue. Cotton yarns, cotton fabric specialties, tire fabrics and filter fabrics.

---

to manufacturers whose names are given in this book.

West Electric Hair Curler Company, Hancock street and Columbia avenue, Philadelphia, Pa. West "Electric", "Japanned", "Midget" and "Horn" hair curlers; West hair puffers; "Re-Nu" false hair cleanser; "Petro Quinine" hair tonic; West trouser hangers, stocking shields and flat hooks and eyes. Foreign agents: John B. Keeble & Co., Toronto, Canada: Rosenwald Bros., 27 Noble street, London, E. C., England, for British Isles; Frederick N. Martinez, Bridgetown, Barbados, for British West Indies, Virgin Islands and Dutch Guiana; F. F. Fernandez, Guatemala, Guatemala; M. A. Ponpart, San Juan, for Porto Rico and Cuba; Lizandro Villegas M., Guayaquil, Ecuador; Santiago Tassara e Hijo, Sullana, Peru; Simon Ferro & Co., Chiquinquira, Colombia; Pagardoy & Piccinino, 119 Defenso, Buenos Aires, Argentina; A. M. Bandeira de Alren, Sao Paulo, Brazil; Jose Fogliati & Co., Rio de Janeiro, Brazil; Leopoldo Yanes & J. Tirado, Caracas, Venezuela; R. M. McCrory & Co., Manila, P. I., for Philippine Islands and the Far East; E. Bossy, Algiers, for Algeria and Morocco. Cable address, "Curlectric," Philadelphia. Codes, Lieber's, Robinson's, Western Union, A B C Fourth and Fifth editions.

The West Haven Manufacturing Company, 30 Elm street, West Haven, Conn. New York office, 30 Church street. Hack saw blades, frames and machines; mechanics' tools. Foreign agents: The Fairbanks Co., 115 Mallow street, Old Street, London, E. C., England; 50 Rue Claude Vellefaux, Paris, France; Glasgow, Scotland. Cable address, "Globesaw." West Haven. Codes, A B C Fifth edition and Western Union.

The West Jersey Paper Manufacturing Company, Front and Elm streets, Camden, N. J. Paper for sandpaper, clothiers' pattern paper, waterproof paper cement sacks and rope paper specialties. Cable address, "Paromanil," Camden. Code, Western Union.

West Penn Steel Company, Brackenridge, Pa. New York agent, Wheelock Lovejoy & Co., 23 Cliff street. Steel in sheets and bars.

West Point Manufacturing Company, 49 Federal street, Boston, Mass. Cotton duck, all widths and weights.

West Publishing Company, St. Paul, Minn. New York office, 100 William street. Law books.

West Side Foundry Company, Troy, N. Y. New York office, 15 East Fortieth street. Grey iron castings; machinery, architectural and school desk castings, finished gas flat irons, "Cassco Engine Driven" automobile tire pumps. Foreign agents: Pinedo, Weeber & Co., Barranquilla, Colombia. Cable address, "Westside," Troy. Code, Western Union.

West Side Structural Company, Third avenue and Twenty-sixth street, Watervliet, New York. Structural and ornamental iron work for buildings.

The West Steel Casting Company, 805 East Seventieth street, Cleveland, Ohio. Light steel castings from 1 pound to 500 pounds; also, electrical, automobile, machinery, high and low carbon and alloy steel castings; anti-accident crucible cast steel protected lathe dogs; crucible cast steel anvils; cast steel motor truck wheels.

West Virginia Pulp and Paper Company, 200 Fifth avenue, New York Supercalendered and machine finished book papers, lithograph and coated papers, engine sized writing and envelope papers, music paper; bleached spruce sulphite and soda pulp. Cable address, "Pulpmont," New York. Code, Western Union.

The West Virginia Rail Company, foot of Seventeenth street, Huntington, W. Va. Light section steel rail, 12, 16, 20, 25, 30, 35, 40 and 45 pound. Jobbers of splices and angles, bolts and nuts and railroad spikes.

F. M. West Box Company, 225 Liberty street, Springfield, Mass. Packing boxes any size or thickness, printed, nailed or in shook; sawdust in

carloads; fancy boxes and special shapes suitable for display cases for hardware. tools, spark coils or any fancy package in pine, basswood, mahogany and other hardwoods; plain boxes to cover, to varnish or polish to any degree of finish.

Westerman & Company, 393 West Jackson street, Lockport, N. Y. High grade set screw iron, round, square and hexagon.

Western Automatic Machine Screw Company, Elyria, Ohio. Automatic screw machine products.

The Western Chemical Manufacturing Company, Denver, Colo. Sulphuric acid, fuming sulphuric acid, mixed acid, muriatic and nitric acids, aqua ammonia, anhydrous ammonia, chemically pure sulphuric, hydrochloric, nitric acids and ammonia.

The Western Foundry Company, 3636 South Kedzie avenue, Chicago, Ill. Light gray iron castings.

Western Gas Construction Company, Fort Wayne, Ind. Complete equipment of machinery and apparatus for gas works, "Pelouze" and "Audouin" tar extractors, ammonia washers, "Holmes" patent rotary scrubbers, condensers, purifiers, gas valves and fittings, water gas apparatus, coal gas benches, governors, gas holders, tanks, iron roofs and floors; also sole makers of "Fort Wayne Ionic" street lighting standards. Cable address, "Westergas," Fort Wayne. Codes, Lieber's and Western Union.

The Western Glass Company, 610 South Vermillion street, Streator, Ill. New York office, 393 Canal street. Rough and ribbed glass, wire glass, rolled figured glass.

Western Pipe and Steel Company of California, 444 Market street, San Francisco, Cal. Riveted steel pipe for irrigation and power plants; riveted steel tanks of all descriptions, galvanized corrugated culverts. Cable address, "Westpipe" San Francisco.

Western Sugar Refining Company, California and Davis streets, San Francisco, Cal. Refined sugar. Cable address, "Western," San Francisco. Code, A B C.

Western Wheeled Scraper Company, Aurora, Ill. New York office, room 1682, 50 Church street. Dump cars, tipping wagons, spreader cars, contractors' cars, flat cars, rotary cars, rocker cars and automatic cars; elevating graders, wagon loaders, ditchers, dump wagons and carts; wheeled, drag, slip, tongue and Fresno scrapers; trench fillers, road machines, graders, planers and drags; railroad, road, grading and rooter plows; rock crushers and screens and stone bins. Foreign agents: Geo. F. West & Co., Caxton House, Westminster, London, S. W., England; J. A. Cordeal, Calle Reconquista 46, Buenos Aires, Argentina; E. D. Morrison & Co., 256a George street, Sydney, Australia. Cable address, "Western," Aurora. Codes: Western Union, A B C Fifth edition and A1.

Westfield Manufacturing Company, Westfield, Mass. "Columbia", "Rambler", "Crescent", "Cleveland", "Tribune" and "Pope" bicycles; "Pope" motorcycles; pedals for bicycles and motorcycles, screw machine products, light sheet steel stampings. Jobbers of bicycle tires, saddles and handle bars. Cable address, "Westmanco," Westfield. Code, Western Union.

Westinghouse Air Brake Company, Wilmerding, Pittsburgh, Pa. New York office, 165 Broadway. Air brakes, air compressors, main reservoirs, draft gear. Foreign agents: Westinghouse Brake Co., Ltd., 82 York road, King's Cross, London, England; Compagnie des Freins Westinghouse, Sevran, France; Compagnia Italiana Westinghouse de Freni, Torino. Italy; Societe Anonyme Westinghouse, Petrograd, Russia. Cable address, "Westinghouse," Wilmerding.

The Westinghouse Machine Company, East Pittsburgh, Pa. Export agents, Westinghouse Electric Export Company, 165 Broadway, New York. Steam turbines for marine and land service, reduction gears, "Westinghouse-Leblanc" condensers, gas engines, gas producers, mechanical stokers, "Westinghouse-Leblanc" refrigerating apparatus. Cable address, "Westing," Pittsburgh.

Westmoreland Coal Company, 224 South Third street, Philadelphia, Pa. Miners and shippers of gas coal. Foreign agents: Pizotti & Ghio, Turin, Italy; Dutilh-Smith McMillan & Co., 50 Broadway, New York for Argentina and Uruguay; Hagemeyer Trading Co., 17 Battery place, New York for Brazil; Wessel Duval & Co., 25 Broad street, New York. Cable address, "Westmoland," Philadelphia. Codes: A B C Fifth edition, Western Union, Lieber's, Watkin's, Scott's and A1.

Weston Electrical Instrument Company, Waverly park, Newark, N. J. New York office, 114 Liberty street. Electrical measuring instruments of the indicating type: ammeters, voltmeters, wattmeters, frequency meters, power factor meters, synchroscopes, instrument transformers, etc. Foreign agent, A. Davy, Western Electrical Instrument Co., Audrey House, Ely place, Holborn, London, E. C., England. Cable address, "Westec," Newark. Codes: A B C and Lieber's.

The Westport Paper Company, Westport, Conn. Binders' board, leather board, news board, press board.

The H. Wetter Manufacturing Company, Memphis, Tenn. Cast stoves and ranges, steel ranges, cast iron soil pipe and fittings. Cable address, "Wetter," Memphis.

Weyenberg Shoe Manufacturing Company, 121 Harmon street, Milwaukee, Wis. Shoes for men, boys and youths; heavy shoes made at Milwaukee, Wis., and semi-dress shoes made at Beaver Dam, Wis.

The Wheeler, Osgood Company, Tacoma, Wash. Doors, windows, frames, mouldings, and three-ply veneers. Cable address, "Wheelgood," Tacoma. Codes, A B C Fifth edition and Western Union.

Wheeler-Schebler Carburetor Company, Indianapolis, Ind. New York office, 1673 Broadway. Carburetors for automobiles, motor trucks, farm tractors, motor cycles, aeroplanes, marine and stationary engines and fire engines.

Wheeler & Dusenbury, Endeavor, Fount Co., Pa. White pine and hemlock lumber and hardwoods.

Wheeler & Motter Mercantile Company, Fourth and Jule streets, St. Joseph, Mo. New York agent, R. B. Hart, 320 Broadway. Men's shirts, pants, overalls and duck clothing. Jobbers of dry goods and carpets.

Wheeling Can Company, Forty-eighth and Eoff streets, Wheeling, W. Va. Tin cans and pails, plain and lithographed.

Wheeling Metal and Manufacturing Company, Glendale, Wheeling, W. Va. Roofing and tin plate.

Wheeling Mold and Foundry Company, Wheeling, W. Va. Heavy iron and steel castings, rough or machined, rolling mill equipment, sand, chilled steel and super steel rolls, rock crushers, hydraulic machinery and special heavy machinery. Cable address, "Bluhub," Wheeling. Code, Western Union.

Wheeling Stamping Company, Wheeling, W. Va. New York office, 90 West Broadway. Tubular lanterns, lamp burners, collapsible tubes for tooth paste and bicycle cement, aluminum novelties, screw tops and metal specialties.

Wheeling Steel Casting Company, Box 37, Wheeling, W. Va. Acid steel castings from 100 to 30,000 lbs.

Wheeling Steel and Iron Company, Main and South streets, Wheeling, W. Va. New York office, 30 Church street. Pig iron, Bessemer billets, slabs and blooms, grooved steel skelp, black and galvanized steel pipes, and coke tin plate. Cable address, "Steelco," Wheeling. Codes, Lieber's, Western Union and A B C.

Whitaker-Glessner Company, Wheeling, W. Va. Works at Wheeling, W. Va., Martins Ferry and Portsmouth, Ohio. Export office, 16 Desbrosses street, New York. Black sheet iron and steel, galvanized sheet iron and steel, galvanized and painted steel and iron roofing, tin plate, terne plates, long terne coated steel sheets, billets and slabs, sheet bars, blue annealed sheets, steel barrels, tie plates, metal ceilings, conductor pipe, eaves trough and other sheet metal products for builders' use, galvanized and black steel manufactured ware for household use. Jobbers in solder, sheet copper, sheet zinc and miscellaneous sheet metal workers' supplies. Cable address, "Wheelcorco," New York. Code, A B C Fifth Improved edition.

Whitall Tatum Company, 46 Barclay street (P. O. Box 1866), New York. Druggists', chemists' and perfumers' glassware, laboratory glassware, bottles, vials, carboys, flat rubber goods, tubing and small moulded articles, rubber hot-water bottles, fountain syringe bags, and druggists' sundries. Foreign agents: R. S. Moore & Co.. 387 George street, Sydney, Australia; William Burmester, Calle Bolivar 240, Buenos Aires, Argentina. Cable address, "Tatum," New York. Codes: A B C Fourth and Fifth editions, Lieber's, Western Union and Commercial Cable.

The Whitcomb Metallic Bedstead Company, Derby, Conn. New York office, 20 East Fortieth street. Brass and iron bedsteads, cribs and springs. Jobbers in mattresses, pillows, etc.

George D. Whitcomb Company, Rochelle, Ill. Gasoline and electric storage battery locomotives, valves for compressed air lines and for cyanide plants. Cable address, "Whitcomb," Rochelle, Ill. Code, Western Union.

The White Company, St. Clair and East Seventy-ninth streets, Cleveland, Ohio. Export office, Broadway at Sixty-second street, New York. Motor cars and trucks, taxicabs, ambulances, patrols, busses, fire apparatus and all other types of motor vehicles. Cable address, "Whitco," New York. Codes, A B C Fifth and Fifth Improved editions, Lieber's old and Five Letter editions, and Western Union.

White Enamel Refrigerator Company, 1340 University avenue, St. Paul, Minn. "Bohn" syphon refrigerators, "Sanitor" refrigerators, "Icyco" refrigerators and "Sanitor" kitchen tables with porcelain tops. Cable address, "Bohn," St. Paul. Code, Western Union.

White Sewing Machine Company, 7821 St. Clair avenue, Cleveland, Ohio. Export office, 17 State street, New York. Sewing machines for family use only, in vibrator and rotary shuttle styles. Foreign agents: Bonnet & Morel, Malakoff, France; Anthony Hordern & Sons, Ltd., Sydney, Australia; J. & J. Drysdale & Company, Buenos Aires, Argentina. Cable address, "Clearness," Cleveland. Code, A B C Fifth edition.

J. G. White & Company, Inc., 43 Exchange place, New York. Engineering, construction and operation of electric lighting systems, electric railways, hydraulic and steam power plants, gas works, water works, steam railroads, industrial plants, etc.; make investigations and reports on public service properties for financial institutions and investors; assist in financing meritorious enterprises for public service utilities; act as pur-

chasing and forwarding agents for public service properties, sugar estates, manufacturers, etc., in all parts of the world. Cable address, "Whitemoth," New York. Codes, Western Union, Bentley's Mining edition, Lieber's and A B C Fifth edition.

Whitehall Cement Manufacturing Company, 1736 Land Title building, Philadelphia, Pa. Portland cement.

The Whitehead Brothers Rubber Company, Trenton, N. J. Mechanical rubber goods.

Whitehouse Le-Compte Manufacturing Company, 44 Elm street, Newark, N. J. Automobile accessories.

Whitelite Electric Company, 368 Broome street, New York City. Nitrogen gas filled electric incandescent lamps. Cable address "Nitrolamp," New York. Code, Western Union.

Whiting Manufacturing Company, Bridgeport, Conn. New York office, 15 Maiden lane. Hollow-ware and flatware in sterling silver.

John L. Whiting-J. J. Adams Company, 690 Harrison avenue, Boston, Mass. Brushes of all kinds. Cable address, "Brushes," Boston. Code, A B C.

Whitlock Coil Pipe Company, Hartford, Conn. New York office, 149 Broadway. Feed water heaters, storage heaters, pipe coils and bends. Cable address, "Whitlock," Hartford. Code, Western Union.

Whitlock Cordage Company, 46 South street, New York. Manila and sisal rope, transmission rope, drilling cables, lath yarn, hay rope, hide rope, etc.

The Whitman & Barnes Manufacturing Company, 114 East Buchtel avenue, Akron, Ohio. New York office, 64 Reade street. Export office, 90 West street, New York. Carbon and high speed twist drills and reamers, screw and drop forged wrenches, spring cotters and keys, lawn mowers, special drop forgings, and cutting parts for mowers and binders. Foreign agents: The Whitman & Barnes Mfg. Co. (Theo. Butler, Mgr.,) 149 Queen Victoria street, London, E. C., England. Cable address "Whitbarnes," Akron. Code, Lieber's.

Stephen F. Whitman & Son, Inc., Fourth, Race and Lawrence streets, Philadelphia, Pa. New York office, 26 West Thirty-first street. Chocolates, confections, cocoa, chocolate, and marshmallow whip. Foreign agents: American Trading Co., 25 Broad street, New York, for Australia and South Africa; H. Schlatter, Buenos Aires, Argentina. Cable address, "Dragon," Philadelphia. Code, A B C Fifth edition.

Whitmore, Rauber & Vicinus, Inc., 279 South avenue, Rochester, N. Y. General contractors and manufacturers of cement blocks.

The Whitney Blake Company, New Haven, Conn. Insulated wires and cables, bare or tinned copper and steel wires. Foreign agents: Western Electric Company, 195 Broadway, New York and their allied houses.

The Whitney Manufacturing Company, Hartford, Conn. Roller, block and silent chains, "Presto" chucks and collets, milling cutters for keyways, machine keys for Woodruff system of keying, hand-feed milling machines, friction "Hollm Patent" tapping devices. Foreign agents: C. W. Burton, Griffiths & Co., Ludgate Square, Ludgate Hill, London, E. C., England; Fenwick Frères & Co., 8 Rue de Rocroy, Paris, France. Cable address, "Whitney," Hartford. Code, Lieber's.

M. J. Whittall Associates, Worcester, Mass. New York office, 114 Fifth avenue. Rugs: Wilton, Brussels and chenille; Wilton and Brussels carpets. Jobbers of Axminster and velvet carpets.

Whittenton Manufacturing Company, 50 State street, Boston, Mass. Ginghams, cotton blankets, bath robes and robe cloth.

Whittier-Coburn Company, 301 Howard street, San Francisco, Cal. Mixed paints, paste and liquid; compounded oils and grease; axle grease. Cable address, "Whittier," San Francisco. Code, Western Union.

Wiard Plow Company, 33 Swan street, Batavia, N. Y. Plows of all styles and sizes, "Morgan" patent spading harrows and "Wiard Star" disc harrows, "Wiard" sulky rakes, adjustable weeders, corn and bean planters, etc. Cable address, "Wiard," Batavia. Codes: A B C Fourth and Fifth editions.

John C. Wiarda & Company, 259 Green street, Brooklyn, N. Y. Acids: hydrofluoric, oxalic and sulphuric; ammonia: aqua, carbonate, fluoride, muriate and sulphate; antimony; aniline salt, aniline oil; barium: carbonate, chloride, hydrate, nitrate and sulphate in pulp and powder; blue vitriol; bone ash for all purposes; epsom salt; copper carbonate; fluorspar; lithopone; magnesium compounds; manganese; potash: bichromate, caustic, carbonate, chloride and prussiate; pumice; soda: ash, bisulphite, caustic, fluoride, nitrate, prussiate and sulphide; zinc: carbonate, oxide and sulphate, zinc dust. Cable address, "Flourine," Brooklyn. Codes: A B C Fifth edition. Lieber's and Simplex.

William Wicke Ribbon Company, Glendale, N. Y. New York office, 331 Fourth avenue. All narrow ribbons.

Wickes Brothers, 512 North Water street, Saginaw, Mich. Heavy duty and quick change lathes, saw mill gangs, bending rolls, electric blue print machines. Foreign agent for lathes, E. Mascherpa, Padova 6, Milan, Italy. Cable address, "Fulgoris," New York. Codes: A B C, Western Union and Lieber's.

Wiegand & Company, 112 Arlington street, Newark, N. J. Swivels, spring rings, snaps, etc., brooches, fancy diamond and pearl snaps, lavallieres, bar pins, tie clasps, cuff buttons, crosses, diamond rings, etc. Jobbers of neck chains and waldemars.

H. B. Wiggin's Sons Company, Bloomfield, N. J. "Fab-rik-o-na" woven wall coverings which include jute and cotton fabrics in a large variety of designs and colors, including "Art Kona" cloth and "Kraft Kona" cloth, dyed burlaps and plain filled burlaps for painting; also "Interwovens," a canvas with characteristic horizontal weave in plain colors and Chinese designs. Foreign agents: Arthur Sanderson & Sons, Ltd., 52 Bernes street, London, W., England. Cable address, "Wiggin," Bloomfield.

Wightman & Hough Company, 7 Beverly street, Providence, R. I. New York office, 15 Maiden lane. Lockets, vanity cases, cigarette cases, spectacle and eye glass cases, rosary cases, religious lockets and medals. Foreign agents, Arthur F. Tero, Ltd., Hatton Garden 101, London, E. C., England, and Murallo, 59 Altos, Havana, Cuba.

H. O. Wilbur & Sons, Inc., 235 North Third street, Philadelphia, Pa. New York office, 100 Hudson street. Chocolate superfine coatings and bitter chocolate, plain and alkalized cocoa powders, American milk chocolate, vanilla sweet chocolate, "Wilburbuds." Cable address, "Wildup." Philadelphia. Codes: A B C and Lieber's.

The T. Wilce Company, 2209 Throop street, Chicago, Ill. Hardwood flooring. Cable address, "Maplewood," Chicago. Codes: American Lumberman and Western Union.

Wilcox, Crittenden & Company, Inc., Middletown, Conn. Ship chandlery, motor boat hardware, wire rope fittings, awning hardware, special forgings; gray iron castings to order, galvanized, tinned or machined.

The Wilcox & White Company, Cambridge street, Meriden, Conn. "Angelus" and "White" player-pianos; "Angelus Artrio" and "White Artrio" reproducing pianos; "Artrio" record rolls; "Aristyle" music rolls. Cable address, "Wilwhicox" Meriden. Codes: A B C Fifth edition, Lieber's and Western Union.

John F. Wilcox Company, 1030 Marshall street, N. E., Minneapolis, Minn. Sash, doors, hardwood and soft wood mouldings, cabinet work, fixtures, window and door frames, stair material, turned and square columns, screens, brackets, gables, etc.

Joseph Wild & Company, 366 Fifth avenue, New York. Felt; linoleum; Wilton, Smyrna and rag rugs; cocoa porch rugs, mats and matting.

Wilder Tanning Company, Sand street and Glen Flora avenue, Waukegan, Ill. Shoe upper leather and upholstery leather in all tannages, kinds, colors and finishes.

E. J. Wile & Company, 160 Fifth avenue, New York. Misses and childrens' coats and suits.

The Will & Baumer Company, Inc., Syracuse, N. Y. New York office, 137 Madison avenue. Candles of all kinds, bleachers and refiners of beeswax, stearic acid, glycerine, red oil and candle tar. Cable address, "Wilbaum," Syracuse. Codes: A B C Fifth edition and Lieber's.

Willamette Iron and Steel Works, Portland, Ore. Logging machinery, contractors' machinery, marine engines, boilers, tanks and pipe. Cable address, "Corball," Portland, Ore.

The Willard Machine and Tool Company, Third and Madison avenues, Covington, Ky. Straight and gap bed engine lathes, dividing heads and inclinable power presses. Foreign agents: Alfred Herbert, Ltd., Coventry, England for Italy, Belgium and Switzerland; Bevan & Edwards, Melbourne, Australia; Edgar Bloxham, Paris, France; Axel Ryden, Stockholm, Sweden; Van Rietchoten & Hourvens, Rotterdam, Holland; Williams & Wilson, Montreal, Canada. Cable address, "Willard," Cincinnati. Code, Lieber's.

C. A. Willey Company, Hancock and Fourteenth streets, Long Island City. N. Y. Automobile, carriage and car paints, colors and varnishes. Cable address, "Cawilley," New York. Codes, A B C Fifth edition and Lieber's.

C. L. Willey, 2558 South Robey street, Chicago, Ill. Lumber: mahogany, American walnut, vermilion, satinwood; veneers: mahogany, American walnut, vermilion, satinwood, birch, ash, oak, poplar and gum. Cable address, "Willey," Chicago.

The Williams Foundry and Machine Company, Akron, Ohio. Friction clutches, clutch pulleys, rubber vulcanizers, auto tire building equipment, auto tire repair equipment. Cable address, "Clutch," Akron. Code, Western Union.

Williams, Hoyt & Company, 4 Commercial street, Rochester, N. Y. Children's, girls', misses' and young ladies' welt shoes. Cable address, "Willhoy," Rochester. Code, Western Union.

The Williams Patent Crusher and Pulverizer Company, 2705 North Broadway, St. Louis, Mo. Export office, 39 Cortlandt street, New York. Hinged hammer crushers, grinders, pulverizers, granulators, shredders, for amost every purpose. Jobbers of wood hogs or chippers. Foreign agents: Cassels & Co., Buenos Aires, Argentina; Pinedo, Weeber & Co., Buenos Aires, Argentina; and Barranquilla, Colombia; G. Cecil Jones, 43 Great Tower street, London, England. Cable address, "Quobowman," New York. Codes, Lieber's, A1 and A B C Fourth edition.

Williams Silk Manufacturing Company, 520 Palisades avenue, West New York, N. J. Manufacturers of broad silks, lining silks and vestings.

C. K. Williams & Company, Easton, Pa. Oxides of iron, terra alba, talc, umbers, siennas and ochres. Cable address, "Williams," Easton. Code, A B C Fifth edition.

The D. T. Williams Valve Company, Spring Grove avenue and Township street, Cincinnati, Ohio. Valves: brass and iron regrinding stop and check, brass and iron gate, quick opening gate and lever throttle; water gauges; stop cocks; sediment and gasoline strainers; oil, grease and priming cups; steam traps; separators and automobile accessories. Cable address, "Goodvalve," Cincinnati. Codes: Lieber's and A B C Fifth edition.

I. B. Williams & Sons, Dover, N. H. New York office, 71 Murray street. Oak-tanned flat and round leather belting, rawhide lace leather, Indian tanned lace leather, Goodyear welting, finished belting leather. Cable address, "Williams," Dover. Code, Western Union.

William E. Williams, 62 Front street, New York. Valves: brass and iron for steam, water, air, etc. Jobbers of ship chandlery goods, marine hardware, boats, diving apparatus, engines, ice machines, oils and paints. Cable address, "Muntzwill," New York. Code, A B C Fifth edition.

The Williamson Heater Company, 337 West Fifth avenue, Cincinnati, Ohio. Warm air furnaces, hot water boilers steam boilers, vapor boilers; pipe and fittings for warm air furnaces. Jobbers of radiation for steam, hot water and vapor boilers.

The Willsea Works, 60 Brown's Race, Rochester, N. Y. Founders, machinists, forgers and pattern makers, making on contract cement block and tile machines, cement bag cleaning machinery, printing press machinery, etc.

Wilmarth Show Case Company, Grand Rapids, Mich. New York office, 20 West Thirtieth street. Store fixtures and show cases.

Wilmarth & Morman Company, 1175 Monroe avenue, Grand Rapids, Mich. "New Yankee" drill grinders, surface grinders, universal tool room grinders, cutter and reamer grinders, wet tool grinders, "W & M" loose pulleys. Foreign agents: Bevan & Edwards, Melbourne, and R. L. Scrutton & Co., Sydney, Australia; Buck & Hickman, and C. W. Burton, Griffiths & Co., London, England; R. S. Stokvis & Zonen, Rotterdam, Holland and Brussels, Belgium; Yamatake & Co., Tokio, Japan; M. Mett & Co., Petrograd, Russia; Henry S. Moos, 30 Church street, New York, agent for Spain. Cable address, "Yankee," Grand Rapids. Codes, Lieber's and Western Union.

Wilson-Snyder Manufacturing Company, 2 Ross street, Pittsburgh, Pa. New York office, 52 Vanderbilt avenue. Pumps: steam, power, boiler feed, hydraulic, high duty pumping, mine and motor and turbine driven centrifugal; accumulators and special controlling valves.

Wilson & Company, Inc., Chicago, Ill. Meats, lards, oleo oil, stearine, hides, tallows, canned meats, horns, bones, hams, bacon, pickled pork, dry salt pork, barreled beef. Foreign agents: Henri Frick & Co., San Jose, Costa Rica; Sasso Fuhring & Co., Panama City, Panama; J. E. Strickland & Co., Georgetown, Demerara, British Guiana; Adolf A. Samson & Co., Paramaribo, Surinam, Dutch Guiana; Herman D. Goelkel, Barranquilla, Colombia; Herederos J. Puig Verdagner, Guayaquil, Ecuador; Hansen & Salisbury, La Paz, Bolivia; Frigorifico Argentine Central, Buenos Aires, Argentina; Continental Products Co., Sao Paulo, Brazil; Marcos Katalinic, Iquique, Chile; Rea Hanna, Valparaiso, Chile; Rocca & Miller, Callao, Peru; M. Paetzold & Co., Havana, Cuba; Goble & Jimenez, San Juan,

Porto Rico; Cecil de Cordova & Co., Kingston, Jamaica, B. W. I.; J. R. Bancroft & Co., Bridgetown, Barbados, B. W. I.; J. P. Hand, Hamilton, Bermuda; A. H. Lockhart, St. Thomas, Virgin Islands; Geo F. Huggins & Co., Port of Spain, Trinidad, B. W. I.; Wilson & Co., Liverpool, and Archer & Co., (F. W. Archer), London, E. C., England; Wilson Commission Co., Paris, France; W. Hvistendahl & Co., Christiania, Norway; Ingolf E. Gunderson, Malmo, Sweden; Wilson & Co., Inc., Rotterdam, Holland; G. Jurnet, Barcelona, Spain; J. B. Mitchell, St. Johns, Newfoundland; Societa Importatori Prodotti Americani, Genoa, Italy. Cable address, "Wilscomp," New York.

A. & S. Wilson Company, 541 Third avenue, Pittsburgh, Pa. Contractors and builders.

C. R. Wilson Body Company, Clay avenue and D. G. H. & M. railroad, Detroit, Mich. Automobile bodies for touring, sedans, coupes, limousines, etc., also pressed metal parts for automobile bodies. Cable address, "Wilsbody," Detroit. Code, Western Union.

The J. G. Wilson Corporation, Norfolk, Va. Export office, 8 West Fortieth street, New York. Rolling doors and shutters, wood block flooring, interior woodwork. Codes: A B C Fifth edition, Lieber's Standard and Five Letter editions.

P. K. Wilson & Son, 130 Fifth avenue, New York. Laces and embroideries.

Thomas H. Wilson, Inc., 1420 North Howard street, Philadelphia, Pa. New York office, 45 East Seventeenth street. Fine worsted men's wear, silk mixtures, shoe cloths and cap cloths.

Wallace Wilson Hosiery Company, Inc., 4368 Walnut street, Frankford, Philadelphia, Pa. New York agents, Taylor & Merkle, 366 Broadway. Infants' and womens' cotton, wool and silk hose. Foreign agents: T. H. Faulkner & Co., Ltd., 32 Gresham street, London, E. C., England; H. F. Watson, Weldon Co., 208 Coristine building, Montreal, Canada. Cable address, "Walwilco," Philadelphia.

Winchester Repeating Arms Company, 275 Winchester avenue, New Haven, Conn. New York office, 312 Broadway. Military and sporting arms, repeating rifles, carbines and muskets; single shot rifles, selfloading and automatic rifles; single shot, repeating and self-loading shotguns, saluting cannon; gun implements, small arms metallic cartridges; paper and brass shotgun shells (empty and loaded,) gun wads, primers, percussion caps, soft and chilled shot; cannon primers and cannon cases; gun grease and cleaning preparations. Foreign distributors: London Armoury Co., Ltd., 31 Bury street, St. James, London, E. C., England; Pioso & Andre Frères, 56 Rue de Paradis, Paris, France; E. H. Durgin, 1354 Avenida de Mayo, Buenos Aires, Argentina, agent for South America; distributors in other principal cities of the world. Cable addresses: "Winchester," New Haven; "Wracony," New York. Codes, Lieber's, Western Union, A B C Fourth and Fifth editions and private.

Windsor Print Works, 65 Worth street, New York. Bleached, dyed and printed cotton fabrics both mercerized and unmercerized, percales, printed flannelettes, plain and fancy wash fabrics. Cable address, "Winsoprint," New York. Codes: Lieber's and Western Union Universal edition.

Wing & Son, 352 West Thirteenth street, New York. Pianos.

The Winkle Terra Cotta Company, 502 Century building, St. Louis, Mo. Architectural terra cotta.

Isaac Winkler & Brother, 804 First National Bank building, Cincinnati, Ohio. New York office, 50 Broad street. Washing soda. Sole selling agents for the Columbia Chemical Co., Barberton, Ohio, manufacturers

of caustic soda and soda ash; also for the Jarecki Chemical Co., Cincinnati, Ohio, manufacturers of sulphate of alumina. Jobbers of naval stores. Cable address, "Winkler," Cincinnati. Codes: A B C Fourth and Fifth editions.

The Winkley Company, 866 Warren avenue, West Detroit, Mich. Pressed steel and brass grease cups, oil hole covers, oil cups, spring shackle bolts, hub caps, pattern makers' brass dowel pins, metal stampings in quantities. Foreign agents: The M. J. Garcia Co., Buenos Aires, Argentina; Johan Mueller, Copenhagen, Denmark.

Winter & Company, 220 Southern boulevard, New York. Pianos, player-pianos and player actions. Cable address, "Wintell," New York.

The Wire Novelty Manufacturing Company, Box 441, West Haven, Conn. Buckles and wire novelties.

Wisconsin Bridge and Iron Company, North Milwaukee, Wis. Bridge and structural steel in all their branches, machinery and complete equipment for ore and coal docks, ore and coal handling plants, lift and swing bridges, etc.

Wisconsin Lime and Cement Company, 133 West Washington street, Chicago, Ill. Lime. Jobbers of cement, plasters, sand, brick and every kind of building material.

Wisconsin Pearl Button Company, La Crosse, Wis. New York office, 377 Broadway. Fresh water pearl buttons. Foreign agents: Alfred Harvey & Phillips, 40 King street, Sydney, Australia. Cable address, "Wispbco," La Crosse. Codes, A B C Fifth edition and Lieber's.

The Wisconsin River Paper and Pulp Company, 201 West Wisconsin avenue, Neenah, Wis. News print paper.

Wise Brothers, Inc., 132 West Fayette street, Baltimore, Md. New York office, 64 Leonard street. Shirts, work shirts, overalls, coats, pants, nainsook underwear, rompers, blouses, middy waists, etc. Cable address, "Wiseling," New York.

The Wise Furnace Company, 240 Hamilton building, Akron, Ohio. "Wise" warm air furnaces.

Wise & Whitlock, Inc., 373 Fourth avenue, New York. Hosiery: cotton, lisle, mercerized, artificial silk and silk for men, women, children and infants. Foreign agents: Otto Fuhrimann, Santiago, Chile; C. Santos, Ltd., Lisbon, Portugal; Carlos Testa & Co., Milan, Italy; Ingram & Co., 76 Wells street, Oxford street, London, W., England. Cable addresses: "Wisenhit," or "Samsalom," New York. Codes: A B C Fifth Improved edition and Western Union.

J. Wiss & Sons Company, 33 Littleton avenue, Newark, N. J. Tailors', dressmakers' and barbers' shears; tinners' snips and scissors.

The Witt Cornice Company, 2118 Winchell avenue, Cincinnati, Ohio. Corrugated cans and pails for ashes, garbage and general purposes.

The Wittemann Company, 842 Elk street, Buffalo, N. Y. New York office, room 125, 147 Fourth avenue. Brewers' machinery and apparatus; air and gas compressors; carbonating apparatus for all liquids; ammonia, brine and water coolers; centrifugal, rotary and piston pumps; mechanical strainers; drying machinery for semi-solids; tanks, pressure appliances, governors, reducing valves and valves for gas and air; manifold cocks, faucets, gauges, thermometers, etc. Cable address, "Witsnipe," Buffalo. Codes: Western Union Universal edition, A B C Fifth edition.

Wolcott Manufacturing Company, 71 Peck street, Providence, R. I. Gold filled jewelry.

The Wolf Company, Chambersburg, Pa. Flour mill machinery, for mixing, blending, grinding, sifting, bolting and purifying; power transmission appliances, turbine water wheels and grain cleaning machinery. Jobbers of belting. Foreign agents: Fobes Co., Ltd., 2 Siking road, Shanghai, China; Tokio Trading Co., 14 Ginza Nichome, Kiobashi-Ku, Tokio, Japan. Cable address, "Gyrator," Chambersburg. Codes, Western Union, Lieber's and A B C Fifth edition.

The Wolf Company, 364 Fifth avenue, New York. Ladies' white cotton muslin underwear.

Wolf Safety Lamp Company of America, Inc., 74 Washington street, New York. Carbide and naphtha safety lamps, open acetylene miners' lamps and electric safety lamps. Jobbers of mine rescue apparatus, Draeger pulmotor, firemen's smoke helmets, ammonia helmets, etc. Cable address, "Wolflamp," New York. Code, A B C Fourth edition.

C. F. Wolff & Son, 153 West Ohio street, Chicago, Ill. Paper boxes.

L. Wolff Manufacturing Company, 601 West Lake street, Chicago, Ill. Complete line of plumbing goods, such as enameled iron and solid porcelain bath tubs; enameled iron, solid porcelain and vitreous ware lavatories; water closets with wood, iron or vitreous tanks, or celluloid covered; galvanized iron kitchen range boilers; cast iron soil pipe; plumbers' brass goods; electric sweating cabinets; manicure combination tables and a full line of hospital plumbing goods of special quality. Codes, Western Union, Bentley's and A B C.

Wollensak Optical Company, Rochester, N. Y. Lens and shutters for cameras and other optical goods. Foreign agents: Demaria-Lapierre, 169 Quai de Valmy, Paris, France; W. Butcher & Sons, Ltd., Farringdon avenue, London, England; R. Kanishi, 2 Nichome Honcho, Tokio, Japan.

Wolverine Motor Works, Inc., Union avenue, Bridgeport, Conn. "Wolverine" marine engines, operating on gasoline, kerosene, alcohol, and suction producer gas, from 5 to 200 H P in single units or 10 to 400 H P as twin screw units. In preparation, under design, gas oil and fuel oil engines. Cable address, "Wolmote," Bridgeport, Conn. Codes: A B C Fourth and Fifth editions, Lieber's and Western Union, Universal edition.

Wolverine Supply & Manufacturing Company, Western avenue, Page & Fontella streets, Pittsburgh, Pa. Automatic sand and marble toys, including "Sandy Andy", "Panama Pile Driver", "Dumping Sandy", "Sky Scraper Electric Elevator" and "Automatic Sand Crane." Export agents: William E. Peck & Co., 104 Pearl street and George Borgfeld & Co., 16th street and Irving place, New York.

The Wonder Mist Company, 261 Franklin street, Boston, Mass. New York office, 1789 Broaway. Automobile and furniture cleaner and polisher applied with sprayer. Cable address, "Wondermist," Boston. Codes, Western Union and A B C Fifth edition.

Wood-Mosaic Company, New Albany, Ind. Parquetry flooring, quartered white oak veneers, hardwood, oak, walnut, poplar, hickory and ash lumber. Cable address, "Lochaber," New Albany, Ind.

The Wood Shovel & Tool Company, Piqua, Ohio. Export agents, Manning, Maxwell & Moore, 119 West Fortieth street, New York. Shovels, spades, scoops and drain tools of all kinds. Foreign agents: G. H. Dunn, Ltd., Parkers building, Capetown, South Africa; E. & A. Youldon, Johannesburg, South Africa; M. S. Hill, Moscow, Russia; Fernandez & Magadan, Havana, Cuba; Gaston, Williams & Wigmore, 140 Broadway, New York, for China, Japan and West Indies. Cable address, "Wood," Piqua. Codes, A B C Fifth edition and Lieber's.

Wood & Brooks Company, Ontario street, Buffalo, N. Y. Piano keys and actions.

E. K. Wood Lumber Company, 112 Market street, San Francisco, Cal. Douglas fir lumber. Cable address, "Ekaywood," San Francisco. Code, A B C Fifth edition.

John Wood Manufacturing Company, Conshohocken, Pa. New York office, Bush Terminal, Brooklyn. Galvanized range boilers, storage tanks for all purposes, pressure tanks for air, oil, gas, water, etc., welded sheet and plate metal work of all descriptions. Cable address, "Elecweld," Conshohocken. Codes, Lieber's and Western Union.

S. A. Woods Machine Company, 27 Damrell street, Boston, Mass. Woodworking machinery, planers, matchers, moulders, surfacers, clapboard machines, buzz planers, cut-off saws, trim saws, box machines, plug machines, knife grinders, mortisers, borers, flooring machines, car shop machines, feeding tables and munition lathes. Foreign agents: T. M. Goodall & Co., Ltd., 303 Kent street, Sydney, Australia; Storer & Co., Calle Chacabuco 449, Buenos Aires, Argentina. Cable address, "Woods," Boston. Codes, A B C Fifth edition, Western Union and Lieber's.

The Woodstock Lumber Company, 131 State street, Boston, Mass. Spruce lumber.

The Woodville Lime and Cement Company, 1340 Nicolas building, Toledo, Ohio. Hydrated finishing lime, lump and ground lime; "Alca" plaster, stucco and mortar.

Woodward Iron Company, Woodward, Ala. Pig iron, coke, sulphate of ammonia, benzol, toluol and solvent naphtha. Export agents: B. Nicoll & Co., 149 Broadway, New York.

Woolf & Shulhof, 105 Madison avenue, New York. Women's costumes and dresses.

N. B. Woolford Oakum Company, Inc., 601 South Luzerne avenue, Baltimore, Md. Marine and plumbers' oakum. Cable address, "Woolford," Baltimore. Codes, A B C Fourth and Fifth editions.

Woolner Distilling Company, Peoria, Ill. New York office, Colonial Distributing Co., 15 Water street. Spirits; grain, ethyl and denatured alcohol; whiskey; gins, fusel and corn oil and lactic acid.

C. A. Woolsey Paint and Color Company, 500 Grand street, Jersey City, N. J. House, boat, copper and cold water paints, putty and varnishes. Foreign agents: D. Henriquez, Maracaibo, Venezuela; D. Saavedra, Buenos Aires, Argentina; Moore & Reid, Antilla, Cuba; Mosely & Richardson, San Juan, Porto Rico. Cable address, "Woolsey," Jersey City.

The Woolson Spice Company, Toledo, Ohio. Coffees, teas and spices.

Woonsocket Rubber Company, 85 Fairmount street, Woonsocket, R. I. New York office, 1790 Broadway. Rubber boots and shoes.

Woonsocket Worsted Mills, 266 Summer street, Boston, Mass. Factory at Woonsocket, R. I. Worsted yarns, Bradford system.

Worcester Pressed Steel Company, Randoph road and Barber avenue, Worcester, Mass. Specialize in cold seamless hollow drawing, coining, embossing, forming and stamping parts from sheet steel, brass, copper, aluminum, silver, monel metal and other sheet metals, to customers' designs up to 72 inches long or 48 inches diameter or 13 inches deep or 1 inch thick. Also pressed steel and other pressed metal parts. Cable address, "Presteel," Worcester, Mass.

Worcester Shock Absorber Company, 18 Grafton street, Worcester, Mass. New York office, 37 Wall street. Door checks, vulcanizers and shock absorbers.

The Worcester Woolen Mill Company, 17 Southgate street, Worcester, Mass. Uniform cloths, overcoatings, cloakings both fancy and plain. Code, Western Union.

Worthen & Aldrich Company, Passaic, N. J. New York office, 25 North Moore street. Dyers, printers and finishers of cotton and woolen goods.

Worthington Pump and Machinery Corporation, 115 Broadway, New York. Pumps of all kinds; compressors: air, ammonia, acetylene and other gases; rock and ore crushers; feed water heaters; water motors; power transmitting machinery; meters; mining machinery; pneumatic hoists; evaporators; condensers; valves: back pressure, by-pass, exhaust relief, automatic exhaust relief, foot and check; wire straightening and cutting machinery; water and air coolers; brewers' machinery; fire hydrants; pumping engines, blowing engines; steam engines; amalgamating plants; air receivers; cement rotary kilns, dryers and coolers, and tube mills; chlorinating cyanide, chlorinating, amalgam or clean-up barrels; car tipplers; charging cars; copper converters; concentrating mills; crushed rock conveyors; cyanide plants; creosoting plants; belt and bucket elevators; gas and gasoline engines; gas producers; pulverized fuel plants; prospecting mills; smelting machinery; stamp mills; kerosene, distillate, crude oil and Diesel engines; lighting plant for low voltage storage batteries; feed mills; concrete mixers; portable sawing outfits; pump jacks; water works plants; hydraulic presses; blowing engines; sand sifters; recording weighers for liquids; tanks and traction plows. Cable address, "Tuneharp," New York.

Worumbo Manufacturing Company, 53 Front street, Bath, Me. Woolen manufacturers.

Wright Manufacturing Company, 135 Master street, Philadelphia, Pa. Ecclesiastical art metal work; such as candlesticks, candelabra, crucifixes, crosses, electroliers, church railings, pulpits, etc.

Wright Wire Company, 69 Hammond street, Worcester, Mass. Wire screen cloth, lathing, fencing, poultry netting; iron, steel, brass and copper wire cloth; wire rope, picture cord and clothes lines; wire staples, ornamental iron work and miscellaneous articles.

Wright & Peters Company, 161 North Water street, Rochester, N. Y. Women's dress boots and low shoes; priced from $5.00 up for boots and $4.50 up for low shoes.

Wright & Taylor, Inc., 123 West Main street, Louisville, Ky. Whiskey: "Old Charter" bourbon or rye. Cable address, "Wrightay," Louisville. Code, Western Union.

M. S. Wright Company, 51 Jackson street, Worcester, Mass. Export agent, Pneuvac Co., 59 Temple street, Boston, Mass. Vacuum cleaners: hand operated "Sweeper-Vac" and electrically operated "Electric Sweeper-Vac."

Wrought Iron Range Company, 5661 Natural Bridge avenue, St. Louis, Mo. Stoves and ranges, hotel kitchen supplies.

The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Export office, Cincinnati, Ohio. New York office, 115 West Fortieth street. Pianos, player-pianos, automatic musical instruments and unit orchestra musical instruments.

Wyman-Gordon Company, Worcester, Mass. Forgings for automobile or aeroplane crank shafts.

Wynkoop Hallenbeck Crawford Company, 80 Lafayette street, New York. Catalogs, booklets, folders, pamphlets, magazines and all kinds of railroad printing.

The Yale Brewing Company, Ferry and River streets, New Haven, Conn. Brewers of lager beer, ale and porter.

The Yale & Towne Manufacturing Company, 9 East Fortieth street, New York. Works at Stamford, Conn. Builders' hardware; door closing devices; chain blocks and electric hoists; post office lock boxes; locks and latches of all kinds, padlocks, cabinet, trunk, bank, safe deposit, combination safe, time and prison locks. Foreign connections: The Yale & Towne Co., 17 West Smithfield, London, E. C., England; Yale & Towne, Ltd., 107 Avenue Parmentier, and 21 Boulevard Poissonniere, Paris, France. Cable address, "Yale," New York. Codes, A B C Fourth and Fifth editions, Western Union, Lieber's and New Business.

Yawman & Erbe Manufacturing Company, 424 St. Paul street, Rochester, N. Y. New York office, 360 Broadway. Wood and steel filing cabinets and filing system supplies. Foreign agents: Harris Bros. Co., Havana, Cuba; Mir & Blanco, Santiago, Cuba; Gonzales, Padin & Co., San Juan, Porto Rico; The Jamaica Times, Ltd., Kingston, Jamaica. Cable address, "Shannon," Rochester. Codes, Western Union and A B C.

Yerxa, Andrews & Thurston, Inc., 622 Flour Exchange, Minneapolis, Minn. Durum semolina and durum flour. Cable address, "Anthurxa," Minneapolis. Code, A B C.

The York Card and Paper Company, York, Pa. Wall paper hangings.

York Manufacturing Company, West York avenue and Pennsylvania railroad, York, Pa. Export office, Columbia and Warren streets, Brooklyn, N. Y. Ice making and refrigerating machinery and ammonia fittings. Cable address, "Yorkco," York.

York Safe and Lock Company, York, Pa. Export office, 55 Maiden lane, New York. Bank and safe deposit vaults, safe deposit boxes, fire and burglar proof safes, vault doors, etc. Cable address, "Safelock," New York. Codes, Western Union and private.

York Wall Paper Company, Linden avenue and Hawthorne street, York, Pa. Wall paper.

J. W. York & Sons, 1600 South Division avenue, Grand Rapids, Mich. All brass band instruments, drums and band supplies. Jobbers of clarinets and saxophones.

The Yost Electric Manufacturing Company, 1805 Hawthorne street, Toledo, Ohio. Electric sockets and attachment plugs. Jobbers of insulating joints. Cable address, "Yemco," Toledo. Code, Western Union.

The Youghiegheny and Ohio Coal Company, 1240 Leader building, Cleveland, Ohio. Coal.

The Youngstown Sheet and Tube Company, Youngstown, Ohio. Export office, 30 Church street, New York. Pig iron, Bessemer steel, open-hearth steel, double refined puddled iron; by-product coke, benzol, toluol, xyol; iron and steel bars, rounds and shapes; sheet bars; iron and steel pipe for steam, gas and water, extra strong and double extra strong iron and steel pipe, copperoid steel pipe, asphalted and other coated pipe in all sizes up to and including 20"; iron and steel sheets: galvanized, black, annealed, painted, plain and corrugated; rods and wire of all kinds, wire fencing, hoops, nails, barbed wire; rigid electrical conduit and flexible armored electrical conductors. Foreign agents: E. H. Ford, Sardinia house, Kingsway, London, England; A. Rolfe Rogers, Buenos Aires, Argentina; Horace U. Gade, Christiania, Norway; Cagigas & Quesada, P. O. Box 201, Havana, Cuba. Cable address, "Yotub," Youngstown. Codes, Western Union for Europe and Australia, private for South America.

Yukon Mill and Grain Company, Inc., Yukon, Okla. Wheat flour. Cable address, "Yukon," Yukon, Okla. Codes, Robinson's, Miller's Telegraph Cipher, A B C Fifth and Fifth Improved editions, Lieber's and private.

G. F. Zeller's Sons, 815 Smith street, Buffalo, N. Y. Harness, valve and sole leather.

Zenith Furnace Company, West Duluth, Minn. Pig iron, benzol, toluol, solvent naphtha and coke. Jobbers of coal.

Zenith Milling Company, First and Troost avenues, Kansas Ctiy, Mo. Hard wheat flour and mill feeds. Foreign agents: T. S. Medill & Sons, 47 Great Tower street, London, E. C. England; Pillman & Phillips, Liverpool, England; Dempster, Peterson & Co., Glasgow, Scotland; W. P. Van Driel & Zonen, Rotterdam, Holland. Cable address, "Zenith," Kansas City. Codes, A B C and Riverside.

A. Ziegler & Sons Company, 1257 Columbus avenue, Boston, Mass. New York office, 120 West Thirty-second street. Elastic and non-elastic suspender webs, elastic suspender cords, suspenders, garters and belts. Cable address, "Chesco," Boston. Codes, A B C Fourth edition and Western Union Universal edition.

The F. Zimmerman Company, West One Hundred and Tenth street and Berea road, Cleveland, Ohio. Picture frame mouldings.

Simon Zinn, Inc., 210 Eleventh avenue, New York. Light stamped sheet metal novelties made of brass, copper, steel, tin, zinc, etc.; ladies' hand bag and pocket book frames and trimmings used in connection therewith. Foreign agents: Ohly & Carmona, 75 Aldermanbury, London, E. C., England.

Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah. New York agent, H. G. White, 75 Leonard street. Boots and shoes, overalls, shirts and duck clothing. Jobbers of general merchandise. Cable address, "Zion," Salt Lake City.

Part II

Alphabetical List of Articles

Produced by Members of the

National Association of Manufacturers

Abrasive Materials.

Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Norton Co., Worcester, Mass.
Pittsburgh Crushed Steel Co., Pittsburgh, Pa.

Abrasives, Sand Blast.

Pittsburgh Crushed Steel Co., Pittsburgh, Pa.

Accumulators, Hydraulic.

Mesta Machine Co., Pittsburgh, Pa.
John Robertson & Co., Brooklyn, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Watson-Stillman Co., New York.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump & Machinery Corp., New York.

Acetanilide.

Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.
Standard Aniline Products, Inc., New York.

Acetone.

Albany Chemical Co., Albany, N. Y.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Roessler & Hasslacher Chemical Co., New York.

Acetylene.

Presto-O-Lite Co., Inc., Indianapolis, Ind.

Acetylene Gas Lighting Apparatus.

Bishop-Babcock-Becker Co., Cleveland, O.
United States Headlight Co., Buffalo, N. Y.

Acid, Acetic.

Albany Chemical Co., Albany, N. Y.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Acid, Boracic, Citric and Tartaric.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pacific Coast Borax Co., New York.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.
Tartar Chemical Co., New York.

Acid, Carbolic and Cresylic.

Albany Chemical Co., Albany, N. Y.
American Synthetic Color Co., Stamford, Conn.
Barrett Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Acid, Carbonic.

(See Carbonic Acid Gas.)

Acid, Hydrochloric.

Merck & Co., New York.
Western Chemical Mfg. Co., Denver, Colo.

Acid, Molybdenic.

Primos Chemical Co., Primos, Pa.

Acid, Muriatic and Nitric.

Albany Chemical Co., Albany, N. Y.
Contact Process Co., Buffalo, N. Y.
General Chemical Company, New York.
Grasselli Chemical Co., New York.
Hooker Electrochemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Md.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Western Chemical Mfg. Co. Denver, Colo.

Acid Phosphate.

Davison Chemical Co., Baltimore, Md.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Richmond Guano Co., Richmond, Va.

Acid, Salicylic.

Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Acid, Stearic.

(See Stearine.)

Acid, Storage Battery.

General Chemical Co., New York.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.

Acid, Sulphuric.

Albany Chemical Co., Albany, N. Y.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Contact Process Co., Buffalo, N. Y.
Davison Chemical Co., Baltimore, Md.
General Chemical Company, New York.
Grasselli Chemical Co., New York.
Hegeler Zinc Co., Danville, Ill.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
New Jersey Zinc Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Richmond Guano Co., Richmond, Va.
F. S. Royster Guano Co., Norfolk, Va.
United Gas Improvement Co., Philadelphia, Pa.
Virginia-Carolina Chemical Co., Richmond, Va.
Western Chemical Mfg. Co., Denver, Colo.
John C. Wiarda & Co., Brooklyn, N. Y.

Acid, Tungstic.

Merck & Co., New York.
Primos Chemical Co., Primos, Pa.

Acid, Vanadic.

Primos Chemical Co., Primos, Pa.

Adding Machines.

(See Machines, Adding.)

Addressing Machines.

(See Machines, Addressing.)

Advertising Novelties.

(See Novelties, Advertising.)

Adzes.

Collins & Co., New York.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co., Charleston, W. Va.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.

Aeroplane Cloths.

B. F. Goodrich Co., Akron, Ohio.
Sherman & Sons Co., New York.

Aeroplane Parts.

Continental Motors Corp., Detroit, Mich.
G. & O. Manufacturing Co., New Haven, Conn.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, Ohio.
Meisel Press Mfg. Co., Boston, Mass.
Standard Welding Co., Cleveland, Ohio.
Wheeler-Schebler Carburetor Co., Indianapolis, Ind.
Wyman-Gordon Co., Worcester, Mass.

Agricultural Implement Parts.

Corbin Screw Corp., New Britain, Conn.
Henry & Allen, Inc., Auburn, N. Y.
Illinois Iron and Bolt Co., Carpentersville, Ill.

Agricultural Implements.

Advance-Rumely Thresher Co., Inc., La Porte, Ind.
S. L. Allen & Co., Philadelphia, Pa.
American Fork and Hoe Co., Cleveland, Ohio.
American Seeding Machine Co., Richmond, Ind.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Bateman Mfg. Co., Grenloch, N. J.
Buffalo Pitts Co., Buffalo, N. Y.
Cardwell Machine Co., Richmond, Va.
J. I. Case Plow Works, Racine, Wis.
Collins & Co., New York.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
Holt Mfg. Company, Stockton, Cal.
Huber Mfg. Co., Inc., Marion, Ohio.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
Rock Island Plow Co., Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Montgomery Ward & Co., Chicago, Ill.
Wiard Plow Co., Batavia, N. Y.

Alarms, High and Low Water.

Elliott Co., Pittsburgh, Pa.
Lunkenheimer Co., Cincinnati, Ohio.

Alcohol.

Continental Alcohol Export Corp., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Standard Distilling and Distributing Co., New York.
R. E. Wathen & Co., Louisville, Ky.
Woolner Distilling Co., Peoria, Ill.

Alcohol, Denatured.

Merck & Co., New York.
Woolner Distilling Co., Peoria, Ill.

Alcohol, Industrial.

Continental Alcohol Export Corp., New York.
Standard Distilling and Distributing Co., New York.

Alcohol, Wood.

Barclay Chemical Co., Williamsport, Pa.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Heinemann Chemical Co., Olean, N. Y.
Lackawanna Chemical Co., Olean, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Ale.

P. Ballantine & Sons, Newark, N. J.
Bartholomay Brewery Co., Rochester, N. Y.
Dayton Breweries Co., Dayton, Ohio.
C. H. Evans & Sons, Hudson, N. Y.
Lembeck & Betz Eagle Brewing Co., Jersey City, N. J.
Massachusetts Breweries Co., Boston, Mass.
Ropkins & Co., Hartford, Conn.

Ale—Cont.

C. Schmidt & Sons Brewing Co., Philadelphia, Pa.
Yale Brewing Co., Inc., New Haven, Conn.

Alimentary Pastes.

(See Macaroni, Noodles, etc.)

Alloys.

(See Castings, Composition Metal.)

Alloys, Nickel.

Driver-Harris Wire Co., Harrison, N. J.

Alloys, Resistance.

Driver-Harris Wire Co., Harrison, N. J.

"Aloxite" Grinding Wheels.

Carborundum Co., Niagara Falls, N. Y.

Altar Work.

Wright Mfg. Co., Philadelphia, Pa.

Alum.

General Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Alumina, Sulphate.

General Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Isaac Winkler & Bro., Cincinnati, Ohio.

Aluminum, Ingot and Cast.

Aluminum Castings Co., Cleveland, Ohio.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Edwin J. Blake, Hartford, Conn.
Clayton & Lambert Mfg. Co., Detroit, Mich.
John Davenport Co., Stamford, Conn.
Doehler Die Casting Co., Brooklyn, N. Y.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Faries Mfg. Co., Decatur, Ill.
James Graham & Co., New Haven, Conn.
Harley Co., Springfield, Mass.
Hemsher Metal Co., Brooklyn, N. Y.
Keystone Bronze Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.

Aluminum Leaf.

Bronze Powder Works Co., Elizabeth, N. J.

Ambulances.

Crane & Breed Mfg. Co., Cincinnati, Ohio.
White Co., Cleveland, Ohio.

Ammonia, Anhydrous.

Barrett Co., New York.
Henry Bower Chemical Mfg. Co., Philadelphia, Pa.
B. P. Clapp Ammonia Co., New York.
General Chemical Co., New York.
Morris & Co., Chicago, Ill.
National Ammonia Co., St. Louis, Mo.
Western Chemical Mfg. Co., Denver, Colo.

Ammonia, Aqua.

Barrett Co., New York.
B. P. Clapp Ammonia Co., New York.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
National Ammonia Company, St. Louis, Mo.
New Haven Gas Light Co., New Haven, Conn.
Western Chemical Mfg. Co., Denver, Colo.
John C. Wiarda & Co., Brooklyn, N. Y.

Ammonia, Molybdate of.

Merck & Co., New York.
Primos Chemical Co., Primos, Pa.

Ammonia, Nitrate of.

Merck & Co., New York.
Ohio Chemical and Mfg. Co., Cleveland, Ohio.

Ammonia, Tungstate of.

Primos Chemical Co., Primos, Pa.

Ammonium, Salicylate.

Heyden Chemical Works, New York.
Merck & Co., New York.

Ammonium Sulphate.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.
Woodward Iron Co., Woodward, Ala.

Ammonium, Vanadate.

Primos Chemical Co., Primos, Pa.

Ammunition, Small Arms.

Equitable Powder Mfg. Co., East Alton, Ill.
Peters Cartridge Co., Cincinnati, Ohio.
Remington Arms-Union Metallic Cartridge Co., New York.
Winchester Repeating Arms Co., New Haven, Conn.

Ampere Meters.

(See Electrical Measuring Instruments.)

Amusement Outfitters.

T. M. Harton Co., Pittsburgh, Pa.
Herschell-Spillman Co., North Tonawanda, N. Y.

Anaesthetizing Apparatus.

Ohio Chemical and Mfg. Co., Cleveland, Ohio.

Anchors.

American Engineering Co., Philadelphia, Pa.
Bayonne Steel Casting Co., Bayonne, N. J.
Charles D. Durkee & Co., New York.
Thomas Laughlin Co., Portland, Me.
Penn Seaboard Steel Corp., Philadelphia, Pa.

Aniline Colors and Dyes.

American Dyewood Co., New York.
Bayer Co., Inc., New York.
Berlin Aniline Works, New York.
Bull's Ferry Chemical Co., New York.
Calco Chemical Co., Bound Brook, N. J.
Geisenheimer & Co., New York.

Aniline Colors and Dyes—Cont.
Heller & Merz Co., New York.
Kalle Color and Chemical Co., New York.
Krebs Pigment and Chemical Co., Newport, Del.
Marden, Orth & Hastings Co., Inc., New York.
Frank L. May & Co., New York.
Merck & Co., New York.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Standard Aniline Products, Inc., New York.

Ankle Supports.
Nathan Novelty Mfg. Co., New York.

Annunciators, Electric.
Ansonia Electrical Co., Ansonia, Conn.
Connecticut Telephone and Electric Co., Meriden, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., New York.
W. R. Ostrander & Co., New York.

Anodes.
(See Electrodes.)

Antimony, Oxide.
Mallinckrodt Chemical Works, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., New York.

Antimony, Sulphuret of.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Stamford Rubber Supply Co., Stamford, Conn.

Antiseptics.
Johnson & Johnson, New Brunswick, N. J.
Merck & Co., New York.
Parke, Davis & Co., Detroit, Mich.
Seabury & Johnson, New York.

Antitoxin, Diphtheria and Tetanus.
(See Biological Products.)

Anvils.
American Skein and Foundry Co., Racine, Wis.
Champion Blower and Forge Co., Lancaster, Pa.
Illinois Iron and Bolt Co., Carpentersville, Ill.
West Steel Casting Co., Cleveland, Ohio.

Apples, Dried.
(See Fruits, Evaporated.)

Aprons.
American Undergarment Co., Newark, N. J.
S. L. Munson Co., Albany, N. Y.

Arch Supports.
Foster Rubber Co., Boston, Mass.
Nathan Novelty Mfg. Co., New York.

Architects' and Draughtsmen's Supplies.
Carter's Ink Co., Boston, Mass.
Gilbert Paper Co., Menasha, Wis.
Hamilton Mfg. Co., Two Rivers, Wis.
Charles M. Higgins & Co., Brooklyn, N. Y.
National Tracing Cloth Co., Saylesville, R. I.

Architects' and Draughtsmen's Supplies—Cont.
L. S. Starrett Co., Athol, Mass.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Architects, Refrigerating Plant.
Friedman, Robertson & Keeler, New York.

Architectural Pottery.
(See Terra Cotta, Architectural.)

Architectural Sheet Metal Work.
Berger Mfg. Co., Canton, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.
David Lupton's Sons Co., Philadelphia, Pa.
Manhattan Brass Co., New York.
W. H. Mullins Co., Salem, Ohio.
Rasner & Dinger Co., Pittsburgh, Pa.
St. Paul Roofing, Cornice and Ornament Co., St. Paul, Minn.

Arm Bands, Elastic.
Ansonia O. & C. Co., Ansonia, Conn.
Samuel Buyer & Co., New York.
Crescent Garter Co., New York.
Hewes & Potter, Boston, Mass.
Ohio Suspender Co., Mansfield, Ohio.

Armor Plate.
Simonds Mfg. Co., Fitchburg, Mass.
Trussed Concrete Steel Co., Youngstown, Ohio.

Art Goods, Ceramic.
Galloway Terra Cotta Co., Philadelphia, Pa.
Rookwood Pottery Co., Cincinnati, Ohio.

Art Goods, Leather.
C. F. Rumpp & Sons, Philadelphia, Pa.

Art Kona Cloth.
H. B. Wiggin's Sons Co., Bloomfield, N. J.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Gorham Co., New York.
H. L. Judd Co., New York.
Reed & Barton, Taunton, Mass.
Wright Mfg. Co., Philadelphia, Pa.

Art Publishers.
Manz Engraving Co., Chicago, Ill.
Taber-Prang Art Co., Springfield, Mass.

Art Squares.
Thomas L. Leedom Co., Bristol, Pa.
C. H. Masland & Sons, Inc., Philadelphia, Pa.

Artificial Limbs.
A. A. Marks, New York.

Asbestos Products.
Asbestos and Rubber Works of N. J., Camden, N. J.
Baltimore Roofing and Asbestos Mfg. Co., Asbestos, Md.
Philip Carey Mfg. Co., Lockland, Ohio.
H. W. Johns-Manville Co., New York.
Johns-Pratt Co., Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.

Asphalt Materials.
Atlantic Refining Co., Philadelphia, Pa.
Philip Carey Mfg. Co., Lockland, Ohio.
Certain-teed Products Corp., St. Louis, Mo.

Asphalt Materials—Cont.

Hastings Pavement Co., New York.
H. W. Johns-Manville Co., New York.
National Roofing Co., Tonawanda, N. Y.
Paraffine Paint Co., San Francisco, Cal.
Pratt & Lambert, Inc., Buffalo, N. Y.
Union Oil Co. of California, Los Angeles, Cal.
Warner-Quinlan Asphalt Co., New York.
H. F. Watson Co., Erie, Pa.

Asphalt Plants.

East Iron and Machine Co., Lima, Ohio.

Assayers' Supplies.

(See Chemists' and Assayers' Supplies.)

Atlases.

Rand, McNally & Co., Chicago, Ill.

Atomizers.

Davol Rubber Co., Providence, R. I.
De Vilbiss Mfg. Co., Toledo, Ohio.
B. F. Goodrich Co., Akron, Ohio.
Whitall Tatum Co., New York.

Augers, Post.

(See Diggers, Post-Hole.)

Autoclaves.

E. B. Badger & Sons Co., Boston, Mass.
L. O. Koven & Brother, Jersey City, N. J.
Sowers Mfg. Co., Buffalo, N. Y.
Stevens Bros., New York.

Automobile Accessories.

Acme Rubber Mfg. Co., Trenton, N. J.
Adams & Westlake Co., Chicago, Ill.
American Chain Co., Inc., Bridgeport, Conn.
American Thermos Bottle Co., New York.
American Vulcanized Fibre Co., Wilmington, Del.
Bickford & Francis Belting Co., Buffalo, N. Y.
Bosch Magneto Co., New York.
Broderick & Bascom Rope Co., St. Louis, Mo.
L. C. Chase & Co., Boston, Mass.
Chicago Flexible Shaft Co., Chicago, Ill.
Connecticut Telephone and Electric Co., Meriden, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Screw Corp., New Britain, Conn.
Corcoran-Victor Co., Cincinnati, Ohio.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Edmunds & Jones Corp., Detroit, Mich.
Edwards Mfg. Co., Cincinnati, Ohio.
Endurance Tire and Rubber Co., New York.
Essex Rubber Co., Inc., Trenton, N. J.
Firestone Tire and Rubber Co., Akron, Ohio.
Fisk Rubber Co., Chicopee Falls, Mass.
Garford Mfg. Co., Elyria, Ohio.
Globe Machine and Stamping Co., Cleveland, Ohio.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Gray-Hawley Mfg. Co., Detroit, Mich.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
Higgin Mfg. Co., Newport, Ky.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
H. W. Johns-Manville Co., New York.
Keyless Auto Clock Co., Inc., New York.
Klaxon Co., Newark, N. J.

Automobile Accessories—Cont.

David Lupton's Sons Co., Philadelphia, Pa.
McKinnon Dash Co., Buffalo, N. Y.
C. A. Malm & Co., San Francisco, Cal.
Manhattan Electrical Supply Co., New York.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, Ohio.
Monarch Carriage Goods Co., Cincinnati, Ohio.
Nathan Novelty Mfg. Co., New York.
W. R. Ostrander & Co., New York.
Parker, Stearns & Co., Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
William Powell Co., Cincnnati, Ohio.
Russell Mfg. Co., Middletown, Conn.
A. Schrader's Son Co., Inc., Brooklyn, N. Y.
Sessions Clock Co., Forestville, Conn.
Joseph N. Smith & Co., Detroit, Mich.
Sparks-Withington Co., Jackson, Mich.
Splitdorf Electrical Co., Newark, N. J.
Standard Parts Co., Cleveland, Ohio.
Stewart-Warner Speedometer Corp., Chicago, Ill.
Thermoid Rubber Co., Trenton, N. J.
Troy Carriage Sunshade Co., Troy, Ohio.
United States Electrical Tool Co., Cincinnati, Ohio.
Veeder Mfg. Co., Hartford, Conn.
Vlchek Tool Co., Cleveland, Ohio.
Wagner Electric Mfg. Co., St. Louis, Mo.
Walker & Barkman Mfg. Co., Hartford, Conn.
Weaver Mfg. Co., Springfield, Ill.
West Side Foundry Co., Troy, N. Y.
Whitehouse Le Compte Mfg. Co., Newark, N. J.
D. T. Williams Valve Co., Cincinnati, O.
Wonder-Mist Co., Boston, Mass.
Wood Shovel and Tool Co., Piqua, Ohio.

Automobile Parts.

Allyne Ryan Foundry Co., Cleveland, Ohio.
Aluminum Castings Co., Cleveland, Ohio.
American Ball-Bearing Co., Cleveland, O.
Auto Body Co., Lansing, Mich.
Baldwin Chain and Mfg. Co., Worcester, Mass.
Baush Machine Tool Co., Springfield, Mass.
Bijur Motor Lighting Co., Hoboken, N. J.
J. G. Brill Co., Philadelphia, Pa.
Brown-Lipe-Chapin Co., Syracuse, N. Y.
L. C. Chase & Co., Boston, Mass.
Clark Equipment Co., Buchanan, Mich.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Cleveland Welding and Mfg. Co., Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Continental Motors Corp., Detroit, Mich.
Corbin Screw Corp., New Britain, Conn.
C. Cowles & Co., New Haven, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
Crane & McMahon, Inc., New York.
Crosby Co., Buffalo, N. Y.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
John Davenport Co., Stamford, Conn.
Dayton Rubber Mfg. Co., Dayton, Ohio.
Detroit Gear and Machine Co., Detroit, Mich.
Detroit Pressed Steel Co., Detroit, Mich.
Detroit Screw Works, Detroit, Mich.
Detroit Steel Products Co., Detroit, Mich.
Diamond Chain and Mfg. Co., Indianapolis, Ind.
Driver-Harris Wire Co., Harrison, N. J.
Edson Mfg. Co., Boston, Mass.

Automobile Parts—Cont.

Empire Rubber and Tire Co., Trenton, N. J.
Endurance Tire and Rubber Co., New Brunswick, N. J.
English & Mersick Co., New Haven, Conn.
Erie Malleable Iron Co., Erie, Pa.
Essex Rubber Co., Inc., Trenton, N. J.
Federal Pressed Steel Co., Milwaukee, Wis.
Ferro Machine and Foundry Co., Cleveland, Ohio.
Firestone Tire and Rubber Co., Akron, O.
Fisher Body Co., Detroit, Mich.
G. & O. Manufacturing Co., New Haven, Conn.
E. A. Gillett & Sons, Boston, Mass.
Globe Machine and Stamping Co., Cleveland, Ohio.
Hayes Mfg. Company, Detroit, Mich.
Hayes Wheel Co., Jackson, Mich.
Hunt & Dorman Mfg. Co., Cleveland, Ohio.
Hydraulic Pressed Steel Co., Cleveland, Ohio.
Jenkins Brothers, New York.
Kelly-Springfield Motor Truck Co., Springfield, Ohio.
Theodor Kundtz Co., Cleveland, Ohio.
M. S. Little Mfg. Co., Hartford, Conn.
Long Mfg. Co., Detroit, Mich.
Mather & Waechter, Cleveland, Ohio.
Mayo Radiator Co., New Haven, Conn.
Meisel Press Mfg. Co., Boston, Mass.
Merchant & Evans Co., Philadelphia, Pa.
Milburn Wagon Co., Toledo, Ohio.
W. H. Mullins Co., Salem, Ohio.
Muncie Wheel Company, Muncie, Ind.
New Process Gear Corp., Syracuse, N. Y.
Nilson-Miller Co., Hoboken, N. J.
Parish Mfg. Co., Reading, Pa.
Parish & Bingham Co., Cleveland, Ohio.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Prest-O-Lite Co., Inc., Indianapolis, Ind.
Raybestos Co., Bridgeport, Conn.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
Rubay Co., Cleveland, Ohio.
St. Louis Screw Co., St. Louis, Mo.
A. Schrader's Son, Inc., Brooklyn, N. Y.
Scranton Forging Co., Scranton, Pa.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Simonds Mfg. Co., Fitchburg, Mass.
A. O. Smith Co., Milwaukee, Wis.
Joseph N. Smith & Co., Detroit, Mich.
Sparks-Withington Co., Jackson, Mich.
Standard Co., Torrington, Conn.
Standard Parts Co., Cleveland, Ohio.
Standard Welding Co., Cleveland, Ohio.
Steel Products Co., Cleveland, Ohio.
W. F. Stewart Co., Flint, Mich.
Timken-Detroit Axle Co., Detroit, Mich.
Von Behren Mfg. Co., Evansville, Ind.
Wadsworth Mfg. Co., Detroit, Mich.
Walker Weiss Axle Co., Flint, Mich.
Walker & Barkman Mfg. Co., Hartford, Conn.
Warner Gear Co., Muncie, Ind.
West Steel Casting Co., Cleveland, Ohio.
Western Spring and Axle Co., Cincinnati, Ohio.
Wheeler-Schebler Carburetor Co., Indianapolis, Ind.
C. R. Wilson Body Co., Detroit, Mich.

Automobiles, Commercial, Electric.

General Motors Truck Co., Pontiac, Mich.
Ward Motor Vehicle Co., Mt. Vernon, N. Y.

Automobiles, Commercial, Gasoline.

Autocar Co., Ardmore, Pa.
Bourne Magnetic Truck Co., Philadelphia, Pa.
Briscoe Motor Corp., Jackson, Mich.
Cadillac Motor Car Co., Detroit, Mich.
General Motors Truck Co., Pontiac, Mich.
International Harvester Corp., Chicago, Ill.
Kelly-Springfield Motor Truck Co., Springfield, Ohio.
Locomobile Co. of America, Bridgeport, Conn.
Maxwell Motor Co., Detroit, Mich.
Nash Motors Co., Kenosha, Wis.
Packard Motor Car Co., Detroit, Mich.
Peerless Motor Car Co., Cleveland, Ohio.
Pierce-Arrow Motor Car Co., Buffalo, N. Y.
Reo Motor Car Co., Lansing, Mich.
Stewart Motor Corp., Buffalo, N. Y.
Studebaker Corp. of America, South Bend, Ind.
Velie Motors Corp., Moline, Ill.
White Co. Cleveland, Ohio.

Automobiles, Pleasure, Electric.

Baker R. & L. Co., Cleveland, Ohio.
Milburn Wagon Co., Toledo, Ohio.

Automobiles, Pleasure, Gasoline.

Allen Motor Co., Fostoria, Ohio.
Baker R. & L. Co., Cleveland, Ohio.
Briscoe Motor Corp., Jackson, Mich.
Cadillac Motor Car Co., Detroit, Mich.
J. I. Case Threshing Machine Co., Inc., Racine, Wis.
Chalmers Motor Co., Detroit, Mich.
Chandler Motor Car Co., Cleveland, Ohio.
Chevrolet Motor Co., Flint, Mich.
Cole Motor Car Co., Indianapolis, Ind.
Dodge Brothers, Detroit, Mich.
Ford Motor Co., Detroit, Mich.
Grant Motor Car Corp., Cleveland, Ohio.
Haynes Automobile Co., Kokomo, Ind.
Hudson Motor Car Co., Detroit, Mich.
Hupp Motor Car Co., Detroit, Mich.
Jackson Automobile Co., Jackson, Mich.
Jordan Motor Car Co., Cleveland, Ohio.
Locomobile Co. of America, Bridgeport, Conn.
Maxwell Motor Co., Detroit, Mich.
Moline Plow Co., Moline, Ill.
Nash Motors Co., Kenosha, Wis.
Nordyke & Marmon Co., Indianapolis, Ind.
Olds Motor Works, Lansing, Mich.
Packard Motor Car Co., Detroit, Mich.
Paige Detroit Motor Car Co., Detroit, Mich.
Pathfinder Co., Indianapolis, Ind.
Peerless Motor Car Co., Cleveland, Ohio.
Pierce-Arrow Motor Car Co., Buffalo, N. Y.
Reo Motor Car Co., Lansing, Mich.
Simplex Automobile Co., New York.
Studebaker Corporation of America, South Bend, Ind.
Velie Motors Corp., Moline, Ill.
White Co., Cleveland, Ohio.

Automobiles, Public Service.

White Co., Cleveland, Ohio.

Awls, Harness, etc.

Dikeman Mfg. Co., Norwalk, Conn.
Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.

Awning Cloth.
(See also Cotton Tickings.)
John Boyle & Co., Inc., New York.

Awnings, Cloth.
Marshall-Wells Hardware Co., Duluth, Minn.

Awnings, Metal.
(See Architectural Sheet Metal Work.)

Axes.
Collins & Co., New York.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co., Charleston, W. Va.
Mack & Co., Rochester, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.
Shapleigh Hardware Co., St. Louis, Mo.
Warren Axe and Tool Co., Warren, Pa.

Axes, Ice.
(See Tools, Ice.)

Axles, Automobile.
American Ball-Bearing Co., Cleveland, O.
Clark Equipment Co., Buchanan, Mich.
Detroit Screw Works, Detroit, Mich.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Timken Detroit Axle Co., Detroit, Mich.
Walker Weiss Axle Co., Flint, Mich.
Western Spring and Axle Co., Cincinnati, Ohio.

Axles, Ball and Roller Bearing.
American Ball-Bearing Co., Cleveland, O.
Concord Axle Co., Concord, N. H.
Standard Screw Co., Chicago, Ill.

Axles, Car.
American Car and Foundry Co., New York.
Bass Foundry and Machine Co., Ft. Wayne, Ind.
Erie Car Works, Erie, Pa.
Gregg Co., Ltd., Hackensack, N. J.
Pollak Steel Co., Cincinnati, Ohio.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Axles, Carriage and Wagon.
Concord Axle Co., Concord, N. H.
Electric Wheel Co., Quincy, Ill.
Illinois Iron and Bolt Co., Carpentersville, Ill.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Western Spring and Axle Co., Cincinnati, Ohio.

Axles, Locomotive.
Pollak Steel Co., Cincinnati, Ohio.

Babbitt Metal.
Edwin J. Blake, Hartford, Conn.
Brady Brass Co., Jersey City, N. J.
Bronze Metal Co., New York.
Damascus Bronze Co., Pittsburgh, Pa.
Keystone Bronze Co., Pittsburgh, Pa.
Lumen Bearing Co., Buffalo, N. Y.
Merchant & Evans Co., Philadelphia, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
Pacific Metal Works, San Francisco, Cal.
Rochester Lead Works, Rochester, N. Y.

Bacon.
Cudahy Packing Co., Chicago, Ill.
Jacob Dold Packing Co., Buffalo, N. Y.
Dunlevy Packing Co., Pittsburgh, Pa.
Frye & Co., Seattle, Wash.
Kingan & Co., Ltd., Indianapolis, Ind.
Morris & Co., Chicago, Ill.
John C. Roth Packing Co., Cincinnati, Ohio.
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co., Portland, Ore.
Wilson & Co., Chicago, Ill.

Bacteriological Apparatus.
Eimer & Amend, New York.

Badges.
Henderson-Ames Co., Kalamazoo, Mich.
M. C. Lilley & Co., Columbus, Ohio.

Bag Holders.
Computing-Tabulating-Recording Co., New York.

Bagging, Cotton.
Fulton Bag and Cotton Mills, Atlanta, Ga.

Bagging, Jute.
Ludlow Mfg. Associates, Boston, Mass.
Riverside Mills, Augusta, Ga.

Bags, Burlap.
Bemis Bro. Bag Co., St. Louis, Mo.
Chase Bag Co., St. Louis, Mo.
Fulton Bag and Cotton Mills, Atlanta, Ga.
E. S. Halsted & Co., New York.
Milwaukee Bag Co., Milwaukee, Wis.

Bags, Coal.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Wm. E. Hooper & Sons Co., Baltimore, Md.
W. T. Lane & Brother, Poughkeepsie, N. Y.

Bags, Collar and Cuff.
C. F. Rumpp & Sons, Philadelphia, Pa.

Bags, Cotton.
Ames-Harris-Neville Co., San Francisco, Cal.
Bemis Bro. Bag Co., St. Louis, Mo.
Chase Bag Co., St. Louis, Mo.
Dana Warp Mills, Westbrook, Me.
Fulton Bag and Cotton Mills, Atlanta, Ga.
E. S. Halsted & Co., New York.
Milwaukee Bag Co., Milwaukee, Wis.
Northern Bag Co., Minneapolis, Minn.

Bags, Duck.
Anchor Duck Mills, Rome, Ga.
Bemis Bro. Bag Co., St. Louis, Mo.
John Boyle & Co., Inc., New York.
Fulton Bag and Cotton Mills, Atlanta, Ga.
W. T. Lane & Brother, Poughkeepsie, N. Y.
Milwaukee Bag Co., Milwaukee, Wis.

Bags, Filter.
John Boyle & Co., Inc., New York.

Bags, Flour.
Chase Bag Co., St. Louis, Mo.

Bags, Hand, Leather.
C. F. Rumpp & Sons, Philadelphia, Pa.
Samstag & Hilder Bros., New York.

Bags, Jute.

Ames-Harris-Neville Company, San Francisco, Cal.
Bemis Bro. Bag Co., St. Louis, Mo.
Chase Bag Co., St. Louis, Mo.
Chelsea Fibre Mills, New York.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., Milwaukee, Wis.
Northern Bag Co., Minneapolis, Minn.

Bags, Ladies' Chain and Mesh.

Ernst Gideon Bek Mfg. Co., Newark, N. J.
Carter, Gough & Co., Newark, N. J.
Jennings Silver Co., Irvington, N. J.
Frank T. May Co., New York.
B. M. Shanley, Jr., Co., Newark, N. J.

Bags, Paper.

Advance Bag Co., Middletown, Ohio.
Arkell & Smiths, Canajoharie, N. Y.
Bemis Bro. Bag Co., St. Louis, Mo.
Continental Paper Bag Co., New York.
Crown Willamette Paper Co., San Francisco, Cal.
Dexter Sulphite Pulp and Paper Co., Dexter, N. Y.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., Milwaukee, Wis.
Taggart Brothers Co., Watertown, N. Y.
Tarentum Paper Mills, Pittsburgh, Pa.
United States Paper Goods Co., Cincinnati, Ohio.
West Jersey Paper Mfg. Co., Camden, N. J.

Bags, Parcel Post Mailing.

Milwaukee Bag Co., Milwaukee, Wis.

Bags, Seamless.

Chelsea Fibre Mills, Brooklyn, N. Y.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., Milwaukee, Wis.

Bags, Traveling.

John Boyle & Co., Inc., New York.
M. C. Lilley & Co., Columbus, Ohio.
C. A. Malm & Co., San Francisco, Cal.

Bakelite.

General Bakelite Co., New York.

Bakers' Supplies.

Henry Heide, Inc., New York.
Lockwood Mfg. Co., Cincinnati, Ohio.
Malt-Diastase Co., New York.
Northwestern Yeast Co., Chicago, Ill.

Bakery Products.

Frank E. Block Co., Atlanta, Ga.
City Baking Co., Baltimore, Md.
H. B. Cushman & Co., New York.
Drake Bros. Co., Brooklyn, N. Y.
Freihofer Baking Co., Philadelphia, Pa.
Frisbie Pie Co., Bridgeport, Conn.
Johnson Biscuit Co., Sioux City, Iowa.
Maryland Biscuit Co., Baltimore, Md.
Union Biscuit Co., St. Louis, Mo.
Wagner Pastry Co., Newark, N. J.
Ward Baking Co., New York.

Baking Powder.

(See Powder, Baking.)

Balances, Spring.

(See Scales, Spring Balance.)

Bale Bands and Buckles.

Cary Mfg. Co., Brooklyn, N. Y.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.

Ballast Unloaders.

(See also Machines, Car Dumping and Unloading.)
Lidgerwood Mfg. Co., New York.
Marion Steam Shovel Co., Marion, Ohio.

Balloons.

Goodyear Tire and Rubber Co., Akron, Ohio.

Balls, Billiard.

Brunswick-Balke-Collender Co., New York.
General Bakelite Co., New York.

Balls, Golf.

(See Golf Balls.)

Balls, Steel.

Ball and Roller Bearing Co., Danbury, Conn.
New Departure Mfg. Co., Bristol, Conn.

Balls, Ten Pin.

Brunswick-Balke-Collender Co., New York.
John Sommer Faucet Co., Newark, N. J.

Balls, Tennis.

B. F. Goodrich Co., Akron, Ohio.
Pennsylvania Rubber Co., Jeannette, Pa.

Bandages, Surgical.

Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Griswoldville Mfg. Co., New York.
Johnson & Johnson, New Brunswick, N. J.

Bands, Elastic.

(See Rubber Bands.)

Banners.

Henderson-Ames Co., Kalamazoo, Mich.
M. C. Lilley & Co., Columbus, Ohio.

Bar Fixtures.

(See Fixtures, Bar.)

Bar Goods, Glass.

(See Glassware, Bar.)

Barbers' Supplies.

(See also Tools, Barbers'.)
B. F. Goodrich Co., Akron, Ohio.
Koken Barbers' Supply Co., St. Louis, Mo.
Moore Oil Co., Cleveland, Ohio.
West Electric Hair Curler Co., Philadelphia, Pa.

Barges.

Manitowoc Ship Building Co., Manitowoc, Wis.
Milliken Bros., Inc., Milliken, Staten Island, N. Y.

Barium Products.

Grasselli Chemical Co., New York.
Merck & Co., New York.
Toch Brothers, New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Barometers.

(See Thermometers.)

Barrels and Kegs.

Bauer Cooperage Co., Inc., Lawrenceburg, Ind.
Edwin Bell Co., Pittsburgh, Pa.
California Barrel Co., San Francisco, Cal.

Barrels and Kegs—Cont.

Gulf Cooperage Co., Pittsburgh, Pa.
Menasha Wooden Ware Co., Menasha, Wis.
Pekin Cooperage Co., Pekin, Ill.
Penick & Ford, Ltd., New Orleans La.
Richmond Cedar Works, Richmond, Va.

Barrels, Steel.

American Steel Package Co., Defiance, Ohio.
W. J. Clark Co., Salem, Ohio.
Hydraulic Pressed Steel Co., Cleveland, Ohio.
Meurer Brothers Co., Brooklyn, N. Y.
Pressed Steel Tank Co., Milwaukee, Wis.
Whitaker-Glessner Co., Wheeling, W. Va.

Barrows (for Baggage, etc.).

W. J. Clark Co., Salem, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.

Bars, Commutator.

Rome Brass and Copper Co., Rome, N. Y.

Baryte.

Hammill & Gillespie, New York.

Baskets, Canvas.

W. T. Lane & Brother, Poughkeepsie, N. Y.

Baskets, Fibre.

Diamond State Fibre Co., Bridgeport, Pa.

Baskets, Mill.

American Vulcanized Fibre Co., Wilmington, Del.
Holbrook Raw Hide Co., Providence, R. I.

Bath Robes.

Heidelberg-Wolff & Co., New York.
Oregon City Mfg. Co., Oregon City, Ore.
Pendleton Woolen Mills, Inc., Pendleton, Ore.
Whittenton Mfg. Co., Boston, Mass.

Bath Room Fixtures.

(See also Lavatories and Fixtures.)
American Ring Co., Waterbury, Conn.
J. P. Eustis Mfg. Co., Cambridge, Mass.
Kohler Co., Kohler, Wis.
Thomas Maddock's Sons Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
H. Mueller Mfg. Co., Decatur, Ill.
N. O. Nelson Mfg. Co., St. Louis, Mo.
Charles Parker Co., Meriden, Conn.
Silver & Co., Brooklyn, N. Y.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
L. Wolff Mfg. Co., Chicago, Ill.

Bath Tubs, Enameled Iron and Steel.

Iron City Sanitary Mfg. Co., Pittsburgh, Pa.
Kohler Co., Kohler, Wis.
J. L. Mott Iron Works, New York.
N. O. Nelson Mfg. Co., St. Louis, Mo.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
L. Wolff Mfg. Co., Chicago, Ill.

Bath Tubs, Rubber.

Hodgman Rubber Co., Tuckahoe, N. Y.

Bath Tubs, Solid Porcelain.

Thomas Maddock's Sons Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
Trenton Potteries Co., Trenton, N. J.
L. Wolff Mfg. Co., Chicago, Ill.

Baths, Shower.

John Douglas Co., Cincinnati, Ohio.
J. P. Eustis Mfg. Co., Cambridge, Mass.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Kohler Co., Kohler, Wis.
J. L. Mott Iron Works, New York.
Speakman Supply and Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.

Batteries, Electric.

Thomas A. Edison, Inc., Orange, N. J.
General Electric Co., Schenectady, N. Y.
Manhattan Electrical Supply Co., New York.
National Carbon Co., Cleveland, Ohio.
Waterbury Battery Co., Waterbury, Conn.

Batteries, Electric Storage.

Electric Storage Battery Co., Philadelphia, Pa.
Gould Coupler Co., New York.
Prest-O-Lite Co., Inc., Indianapolis, Ind.

Battery Cells, Hard Rubber.

B. F. Goodrich Co., Akron, Ohio.

Bearings, Ball.

American Ball-Bearing Co., Cleveland, Ohio.
Ball and Roller Bearing Co., Danbury, Conn.
Federal Bearings Co., Inc., Poughkeepsie, N. Y.
Hess-Bright Mfg. Co., Philadelphia, Pa.
M. D. Knowlton Co., Rochester, N. Y.
New Departure Mfg. Co., Bristol, Conn.
Norma Co. of America, New York.
S. K. F. Ball Bearing Co., New York.

Bearings, Ball Thrust.

Norma Co. of America, New York.
S. K. F. Ball Bearing Co., Hartford, Conn.

Bearings, Bronze.

Lumen Bearing Co., Buffalo, N. Y.

Bearings, Car Journal.

Brady Brass Co., Jersey City, N. J.
Bronze Metal Co., New York.
Damascus Bronze Co., Pittsburgh, Pa.
Erie Car Works, Erie, Pa.
Keystone Bronze Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.

Bearings, Car Side.

Chicago Railway Equipment Co., Chicago, Ill.
Erie Car Works, Erie, Pa.

Bearings, Engine.

Bunting Brass and Bronze Co., Toledo, Ohio.
Damascus Bronze Co., Pittsburgh, Pa.
Doehler Die Casting Co., Brooklyn, N. Y.
More-Jones Brass and Metal Co., St. Louis, Mo.

Bearings, Graphite and Bronze.

Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.

Bearings, Motor.

Brady Brass Co., Jersey City, N. J.
Bronze Metal Co., New York.
Damascus Bronze Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.

Bearings, Roller.

Ball and Roller Bearing Co., Danbury, Conn.
George Automatic Roller Bearing Co., Cincinnati, Ohio.
Hyatt Roller Bearing Co., Harrison, N. J.
Medart Patent Pulley Co., St. Louis, Mo.
Norma Co. of America, New York.
Reeves Pulley Co., Columbus, Ind.
Standard Screw Co., Chicago, Ill.
Timken Roller Bearing Co., Canton, Ohio.

Bearings, Shaft.

Bond Foundry and Machine Co., Manheim, Pa.
Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
A. & F. Brown Co., New York.
Bunting Brass and Bronze Co., Toledo, Ohio.
Eastern Malleable Iron Co., Naugatuck, Conn.
Meese & Gottfried Co., San Francisco, Cal.

Bearings, Wood.

Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.

Bedding.

Frank A. Hall & Sons, New York

Beds, Folding.

Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Jamestown Lounge Co., Jamestown, N. Y.

Beds, Hospital.

Bernstein Mfg. Co., Philadelphia, Pa.
Dow Wire and Iron Works, Louisville, Ky.
Foster Bros. Mfg. Co., Utica, N. Y.
B. F. Goodrich Co., Akron, Ohio.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Frank A. Hall & Sons, New York.
Kny-Scheerer Co., New York.
Salisbury & Satterlee Co., Minneapolis, Minn.
Simmons Co., Kenosha, Wis.

Beds, Invalid.

Foster Bros. Mfg. Co., Utica, N. Y.

Beds, Spring.

Foster Bros. Mfg. Co., Utica, N. Y.
Salisbury & Satterlee Co., Minneapolis, Minn.

Bedspreads.

H. B. Claflin Corp., New York.
Monument Mills, Housatonic, Mass.
Patchogue Mfg. Co., New York.
Swift Mfg. Co., Columbus, Ga.

Bedsteads, Brass and Iron.

Bernstein Mfg. Co., Philadelphia, Pa.
Dow Wire and Iron Works, Louisville, Ky.
Foster Bros. Mfg. Co., Utica, N. Y.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Frank A. Hall & Sons, New York.
Mersereau Metal Bed Co., Jersey City, N. J.
Newark Spring Mattress Co., Newark, N. J.
Salisbury & Satterlee Co., Minneapolis, Minn.

Bedsteads, Brass and Iron—Cont.

Seng Co., Chicago, Ill.
Simmons Co., Kenosha, Wis.
Whitcomb Metallic Bedstead Co., Derby, Conn.

Bedsteads, Wooden.

(See Furniture, Bedroom.)

Bee-Keepers' Supplies.

A. I. Root Co., Medina, Ohio.

Beef Packers.

Cincinnati Abattoir Co., Cincinnati, Ohio.
Cudahy Packing Co., Chicago, Ill.
Darling & Co., Chicago, Ill.
Dunlevy Packing Co., Pittsburgh, Pa.
Frye & Co., Seattle, Wash.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeill & Libby, Inc., Chicago, Ill.
Morris & Co., Chicago, Ill.
J. & F. Schroth Packing Co., Cincinnati, Ohio.
T. M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co., Portland, Ore.
Wilson & Co., Chicago, Ill.

Beer.

Anheuser-Busch Brewing Association, St. Louis, Mo.
P. Ballantine & Sons, Newark, N. J.
Bartholomay Brewery Co., Rochester, N. Y.
Central Consumers' Co., Louisville, Ky.
Class & Nachod Brewing Co., Philadelphia, Pa.
F. W. Cook Brewing Co., Evansville, Ind.
Dayton Breweries Co., Dayton, Ohio.
Evansville Brewing Association, Evansville, Ind.
John Gund Brewing Co., La Crosse, Wis.
Kansas City Breweries Co., Kansas City, Mo.
Lembeck & Betz Eagle Brewing Co., Jersey City, N. J.
Massachusetts Breweries Co., Boston, Mass.
Christian Moerlein Brewing Co., Cincinnati, Ohio.
Geo. Muehlebach Brewing Co., Kansas City, Mo.
Pabst Brewing Co., Milwaukee, Mis.
Pittsburgh Brewing Co., Pittsburgh, Pa.
Roessle Brewery, Boston, Mass.
Jacob Ruppert, New York.
St. Louis Brewing Association, St. Louis, Mo.
Joseph Schlitz Brewing Co., Milwaukee, Wis.
C. Schmidt & Sons Brewing Co., Philadelphia, Pa.
Terre Haute Brewing Co., Terre Haute, Ind.
Yale Brewing Co., Inc., New Haven, Conn.

Beeswax.

Consolidated Dental Mfg. Co., New York.
Will & Baumer Co., Inc., Syracuse, N. Y.

Beet Implements.

Bateman Mfg. Co., Grenloch, N. J.

Bells, Bicycle.

New Departure Mfg. Co., Bristol, Conn.

Bells, Car.

New Departure Mfg. Co., Bristol, Conn.

Bells, Church, School, Farm, etc.
Blymyer Iron Works Co., Cincinnati, Ohio.

Bells, Door.
New Departure Mfg. Co., Bristol, Conn.
Sargent & Co., New York.

Bells, Electric.
Ansonia Electrical Co., Ansonia, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., New York.
W. R. Ostrander & Co., New York.

Bells, Fire.
Blymyer Iron Works Co., Cincinnati, Ohio.
New Departure Mfg. Co., Bristol, Conn.

Bells, Ship and Yacht.
Charles D. Durkee & Co., New York.
Thomas Laughlin Co., Portland, Me.

Belt Dressing.
(See Dressing, Belt.)

Belt Lacing, Leather.
Jewell Belting Co., Hartford, Conn.

Belt Slipping Preventive.
Bradford Belting Co., Cincinnati, Ohio.

Belt Tighteners.
Benjamin Eastwood Co., Paterson, N. J.
Hill Clutch Co., Cleveland, Ohio.

Belting, Balata.
Buffalo Weaving and Belting Co., Buffalo, N. Y.

Belting, "Camel" Hair.
Rossendale-Reddaway Belting and Hose Co., Newark, N. J.

Belting, Canvas.
American Belting Companies, Baltimore, Md.
John Boyle & Co., Inc., New York.
Buffalo Weaving and Belting Co., Buffalo, N. Y.
Gandy Belting Co., Baltimore, Md.
Rossendale-Reddaway Belting and Hose Co., Newark, N. J.
Russell Mfg. Co., Middletown, Conn.

Belting, Conveyor.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, Ohio.

Belting, Flax.
Bradford Belting Co., Cincinnati, Ohio.

Belting, Leather.
Alexander Bros., Philadelphia, Pa.
American Belting Companies, Baltimore, Md.
Bay State Belting Co., Boston, Mass.
Bickford & Francis Belting Co., Buffalo, N. Y.
Bradford Belting Co., Cincinnati, Ohio.
Detroit Oak Belting Co., Detroit, Mich.
Graton & Knight Mfg. Co., Worcester, Mass.
Hudson Belting Co., Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Edward R. Ladew Co., Inc., Glen Cove, Long Island, N. Y.
W. S. Nott Co., Minneapolis, Minn.

Belting, Leather—Cont.
Page Belting Co., Concord, N. H.
Charles A. Schieren Co., New York.
I. B. Williams & Sons, Dover, N. H.

Belting, Link-Chain.
Link-Belt Co., Chicago, Ill.

Belting, Round.
Alexander Bros., Philadelphia, Pa.
Bradford Belting Co., Cincinnati, Ohio.
Graton & Knight Mfg. Co., Worcester, Mass.
Hudson Belting Co., Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Page Belting Co., Concord, N. H.
Charles A. Schieren Co., New York.
I. B. Williams & Sons, Dover, N. H.

Belting, Rubber.
Aeme Rubber Mfg. Co., Trenton, N. J.
Buffalo Weaving and Belting Co., Buffalo, N. Y.
Empire Rubber and Tire Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, Ohio.
Gutta Percha and Rubber Mfg. Co., New York.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
New York Rubber Co., Inc., New York.
Quaker City Rubber Co., Philadelphia, Pa.
Thermoid Rubber Co., Trenton, N. J.
United States Rubber Export Co., Ltd., New York.
United & Globe Rubber Mfg. Companies, Trenton, N. J.

Belts, Elastic and Non-Elastic.
Samuel Buyer & Co., New York.
Ferris Bros. Co., New York.
Ohio Suspender Co., Mansfield, Ohio.
A. Ziegler & Sons Co., Boston, Mass.

Belts, Leather.
Dodson, Fisher, Brockmann Co., Minneapolis, Minn.
Hewes & Potter, Boston, Mass.
Pioneer Suspender Co., Philadelphia, Pa.
Samstag & Hilder Bros., New York.

Benches, Piano and Organ.
(See Stools, Piano and Organ.)

Benders, Rail.
Buda Co., Chicago, Ill.

Benedict Nickel.
American Brass Co., Waterbury, Conn.
James Graham & Co., New Haven, Conn.

Benzine.
Union Oil Co. of Cal., Los Angeles, Cal.

Benzine Clarifiers.
American Laundry Machinery Co., Cincinnati, Ohio.

Benzol.
Hooker Electrochemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
New Haven Gas Light Co., New Haven, Conn.

Benzol—Cont.
Standard Aniline Products, Inc., New York.
United Gas Improvement Co., Philadelphia, Pa.
Woodward Iron Co., Woodward, Ala.
Youngstown Sheet and Tube Co., Youngstown, Ohio.
Zenith Furnace Co., West Duluth, Minn.

"Bevo."
Anheuser-Busch Brewing Association, St. Louis, Mo.

Bibbs.
(See Fittings, Steam, Gas and Water.)

Bicycle Parts.
Baldwin Chain and Mfg. Co., Worcester, Mass.
Diamond Chain and Mfg. Co., Indianapolis, Ind.
Great Western Mfg. Co., La Porte, Ind.
Hendee Mfg. Co., Springfield, Mass.
Hydraulic Pressed Steel Co., Cleveland, Ohio.
Miami Cycle aud Mfg. Co., Middletown, Ohio.
Standard Co., Torrington, Conn.
Standard Welding Co., Cleveland, Ohio.
Westfield Mfg. Co., Westfield, Mass.
Whitney Mfg. Co., Hartford, Conn.

Bicycle and Motorcycle Sundries.
Bridgeport Brass Co., Bridgeport, Conn.
Endurance Tire and Rubber Co., New York.
Fisk Rubber Co., Chicopee Falls, Mass.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, Ohio.
Gray-Hawley Mfg. Co., Detroit, Mich.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
Kokomo Rubber Co., Kokomo, Ind.
Edward Miller & Co., Meriden, Conn.
Nathan Novelty Mfg. Co., New York.
New Departure Mfg. Co., Brostol, Conn.
Standard Co., Torrington, Conn.
Veeder Mfg. Co., Hartford, Conn.

Bicycles.
Davis Sewing Machine Co., Dayton, Ohio.
Gendron Wheel Co., Toledo, Ohio.
Great Western Mfg. Co., La Porte, Ind.
Hendee Mfg. Co., Springfield, Mass.
Miami Cycle and Mfg. Co., Middletown, Ohio.
Shapleigh Hardware Co., St. Louis, Mo.
Westfield Mfg. Co., Westfield, Mass.

Billiard Supplies.
Brunswick-Balke-Collender Co., New York.

Billiard Tables.
(See Tables, Billiard and Pool.)

Billing Machines.
(See Machines, Billing.)

Binders.
(See Reapers and Binders.)

Binding, Loose Leaf.
Baker-Vawter Co., Benton Harbor, Mich.
J. C. Hall Co., Providence, R. I.
Irving-Pitt Mfg. Co., Kansas City, Mo.

Binding, Loose Leaf—Cont.
William G. Johnston & Co., Pittsburgh, Pa.
William Mann Co., Philadelphia, Pa.
Samuel C. Tatum Co., Cincinnati, Ohio.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.

Bindings, Cotton.
Hope Webbing Co., Providence, R. I.
Krout & Fite Mfg. Co., Philadelphia, Pa.
Rowe-Cromwell Co., Amsterdam, N. Y.
Weimar Bros., Philadelphia, Pa.

Bindings, Silk.
Krout & Fite Mfg. Co., Philadelphia, Pa.
William Wicke Ribbon Co., New York.

Bins, Coal, Grain, etc.
(See also Tanks, Iron and Steel; also Ironwork, Plate and Sheet.)
Berger Mfg. Co., Canton, Ohio.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Link-Belt Co., Chicago, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Biological Products.
Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.
Schieffelin & Co., New York.
E. R. Squibb & Sons, New York.

Biscuits.
Frank E. Block Co., Atlanta, Ga.
Robert A. Johnston Co., Milwaukee, Wis.
Maryland Biscuit Co., Baltimore, Md.
Union Biscuit Co., St. Louis, Mo.

Bismuth Subnitrate.
Albany Chemical Co., Albany, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Bits, Auger.
Russell Jennings Mfg. Co., Chester, Conn.
Millers Falls Co., Millers Falls, Mass.
Sargent & Co., New York.
James Swan Co., Seymour, Conn.
United States Bung Mfg. Co., Brooklyn, N. Y.

Bits, Expansion.
Russell Jennings Mfg. Co., Chester, Conn.

Bits, Machine.
(See Cutters, Milling; also Knives, Machine.)

Bits, Riding and Driving.
(See Hardware, Saddlery.)

Blackboards and Blackboard Cloth.
Beaver Board Companies, Buffalo, N. Y.
New York Silicate Book Slate Co., New York.
Standard Oil Cloth Co., New York.

Blacking, Shoe.
Frank Miller Co., New York.

Blankets, Cotton.

Beacon Mfg. Co., Providence, R. I.
Carson, Pirie, Scott & Co., Chicago, Ill.
Wm. E. Hooper & Sons Co., Baltimore, Md.
Thomas Kelly & Co., Boston, Mass.
Lawrence & Co., Boston, Mass.
W. S. Libby Co., Lewiston, Me.
Shuler & Benninghofen, Hamilton, Ohio.
Tremont & Suffolk Mills, Boston, Mass.
Whittenton Mfg. Co., Boston, Mass.

Blankets, Cotton and Wool Mixed.

Carson, Pirie, Scott & Co., Chicago, Ill.
Shuler & Benninghofen, Hamilton, Ohio.

Blankets, Felt.

F. C. Huyck & Sons, Rensselaer, N. Y.

Blankets, Horse.

L. C. Chase & Co., Boston, Mass.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Sanford Mills, Boston, Mass.

Blankets, Rubber.

B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., Tuckahoe, N. Y.
United States Rubber Export Co., Ltd., New York.

Blankets, Woolen.

Carson, Pirie, Scott & Co., Chicago, Ill.
Eugene Woolen Mill Co., Eugene, Ore.
Thos. Kay Woolen Mill Co., Salem, Ore.
Thomas Kelly & Co., Boston, Mass.
Lawrence & Co., Boston, Mass.
Oregon City Mfg. Co., Oregon City, Ore.
Orr Felt and Blanket Co., Piqua, Ohio.
F. A. Patrick & Co., Duluth, Minn.
Pearce Mfg. Co., Pittsburgh, Pa.
Pendleton Woolen Mills, Inc., Pendleton, Ore.
Portland Woolen Mills, Portland, Ore.
Shuler & Benninghofen, Hamilton, Ohio.

Blast Furnace Equipment.

C. O. Bartlett & Snow Co. Cleveland, Ohio.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Keystone Bronze Co., Pitsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
John Mohr & Sons, Chicago, Ill.
Otis Elevator Co., New York.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
M. D. Valentine & Bro. Co., Woodbridge, N. J.
Variety Iron and Steel Works Co., Cleveland, Ohio.

Blasting Caps and Apparatus.

Ensign-Bickford Co., Simsbury, Conn.
Equitable Powder Mfg. Co., East Alton, Ill.

Bleacheries.

Algonquin Printing Co., Fall River, Mass.
Aspinook Co., Jewett City, Conn.
Bellman Brook Bleachery Co., Fairview, N. J.
Liondale Bleach, Dye and Print Works, Rockaway, N. J.
G. J. Littlewood & Sons, Ltd., Philadelphia, Pa.

Bleacheries—Cont.

L. B. Luithlen Co., Inc., Philadelphia, Pa.
Robert D. Mason Co., Pawtucket, R. I.
Standard Bleachery Co, Carlton Hill, N. J.
United States Finishing Co., New York.
Waltham Bleachery and Dye Works, Boston, Mass.

Bleachers, Flour.

(See Bolters and Graders for Flour.)

Blind Rollers, Spring.

(See Rollers, Shade and Blind.)

Block Signals, Railway.

(See Signals, Railway.)

Blocks, Cement.

Whitmore, Rauber & Vicinus, Inc., Rochester, N. Y.

Blocks, Paving.

Great Southern Lumber Co., Bogalusa, La.
Pacific Creosoting Co., Seattle, Wash.
Peebles Paving Brick Co., Portsmouth, Ohio.
Purington Paving Brick Co., Galesburg, Ill.

Blocks, Ribbon.

Lowell Paper Tube Corp., Lowell, Mass.
Union Paper Co., New York.

Blocks, Tackle.

American Hoist and Derrick Co., St. Paul, Minn.
Thomas Laughlin Co., Portland, Me.

Blocks for Wire Rope.

American Hoist and Derrick Co., St., Paul, Minn.

Blowers, Fan.

American Blower Co., Detroit, Mich.
American Clay Machinery Co., Bucyrus, Ohio.
American Gas Furnace Co., New York.
Champion Blower and Forge Co., Lancaster, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Schutte & Koerting Co., Philadelphia, Pa
Sterling Blower Co., Hartford, Conn.
B. F. Sturtevant Co., Boston, Mass.

Blowers, Rotary Positive.

Champion Blower and Forge Co., Lancaster, Pa.
Connersville Blower Co., Connersville, Ind.
P. H. & F. M. Roots Co., Connersville, Ind.

Blue Print Cloth.

National Tracing Cloth Co., Saylesville, R. I.

Bluing, Laundry.

A. Colburn Co., Philadelphia, Pa.
Heller & Merz Co., New York.

Board, Corrugated.

Sefton Mfg. Co., Chicago, Ill.

Board, Leather.

Ingalls & Co., Castleton-on-Hudson, N. Y.
Westport Paper Co., Westport, Conn.

Board, News.
Schmidt & Ault Paper Co., York, Pa.
Westport Paper Co., Westport, Conn.

Board, Press.
Case Bros., Inc., Highland Park, Manchester, Conn.
Westport Paper Co., Westport, Conn.

Board, Shoe.
W. O. Davey & Sons, Jersey City, N. J.

Board, Trunk.
George Stratford Oakum Co., Jersey City, N. J.

Board, Wall.
Beaver Board Companies, Buffalo, N. Y.
Bishopric Mfg. Co., Cincinnati, Ohio.
Compo-Board Co., Minneapolis, Minn.

Boards, Bookbinding.
W. O. Davey & Sons, Jersey City, N. J.
Ingalls & Co., Castleton-on-Hudson, N. Y.
George Stratford Oakum Co., Jersey City, N. J.

Boards, Hosiery.
Joseph T. Pearson, Philadelphia, Pa.

Boards, Panel.
Frank Adam Electric Co., St. Louis, Mo.
Crouse-Hinds Co., Syracuse, N. Y.
Sprague Electric Works of General Electric Co., New York.
Trumbull Electric Mfg. Co., Plainville, Conn.

Boats, Iron and Wooden, Steam.
Gas Engine and Power Co., & Charles L. Seabury & Co., Cons., New York.
James Rees & Sons Co., Pittsburgh, Pa.

Boats, Motor.
Gas Engine and Power Co., & Charles L. Seabury & Co., Cons., New York.
George Lawley & Son Corp., Neponset, Mass.
W. H. Mullins Co., Salem, Ohio.

Boats, Row.
George Lawley & Son Corp., Neponset, Mass.
W. H. Mullins Co., Salem, Ohio.

Boats, Submarine.
Gas Engine and Power Co., & Charles L. Seabury & Co., Cons., New York.
Lake Torpedo Boat Co., Bridgeport, Conn.

Bobbins.
United States Bobbin and Shuttle Co., Providence, R. I.

Bodies, Automobile.
Auto Body Co., Lansing, Mich.
Peter Barrett Mfg. Co., Brooklyn, N. Y.
Fisher Body Co., Detroit, Mich.
Hayes Mfg. Co., Detroit, Mich.
Theodor Kundtz Co., Cleveland, Ohio.
Milburn Wagon Co., Toledo, Ohio.
W. H. Mullins Co., Salem, Ohio.
Parry Mfg. Co., Indianapolis, Ind.
Rubay Co., Cleveland, Ohio.
W. F. Stewart Co., Flint, Mich.
Wadsworth Mfg. Co., Detroit, Mich.
C. R. Wilson Body Co., Detroit, Mich.

Boiler Braces, Steel.
Glasgow Iron Co., Pottstown, Pa.

Boiler Casing, Steel.
Casey-Hedges Co., Chattanooga, Tenn.

Boiler Compound.
Bird-Archer Co., New York.
Dearborn Chemical Co., Chicago, Ill.
United States Graphite Co., Saginaw, Mich.

Boiler Covering.
(See Covering, Boiler and Steam Pipe.)

Boiler Heads, Flanged.
Glasgow Iron Co., Pottstown, Pa.

Boilers, Copper.
E. B. Badger & Sons Co., Boston, Mass.

Boilers, Fire Box.
Brownell Co., Dayton, Ohio.
William Cramp & Sons Ship and Engine Building Co., Philadelphia, Pa.
Frick Co., Waynesboro, Pa.
Kroeschell Bros. Co., Chicago, Ill.
John Mohr & Sons, Chicago, Ill.
I. P. Morris Co., Philadelphia, Pa.

Boilers, Flue, Return Flue, Cornish, etc.
Bigelow Co., New Haven, Conn.
Brownell Co., Dayton, Ohio.
Casey-Hedges Co., Chattanooga, Tenn.
D. Connelly Boiler Co., Cleveland, Ohio.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Kroeschell Bros. Co., Chicago, Ill.
Mead-Morrison Mfg. Co., Cambridge, Mass.
John Mohr & Sons, Chicago, Ill.

Boilers, Greenhouse.
Brownell Co., Dayton, Ohio.
Kroeschell Bros. Co., Chicago, Ill.

Boilers, House Heating.
American Radiator Co., Chicago, Ill.
Brownell Co., Dayton, Ohio.
Buckwalter Stove Co., Royersford, Pa.
Abram Cox Stove Co., Philadelphia, Pa.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren Co., Troy, N. Y.
Illinois Malleable Iron Co., Chicago, Ill.
L. O. Koven & Bro., New York.
Kroeschell Bros. Co., Chicago, Ill.
J. L. Mott Iron Works, New York.
Power Specialty Co., New York.
Richardson & Boynton Co., New York.
XXth Century Heating and Ventilating Co., Akron, Ohio.
Williamson Heater Co., Cincinnati, Ohio.

Boilers, Marine.
Atlantic Works, East Boston, Mass.
Bath Iron Works, Ltd., Bath, Me.
John Brennan & Co., Detroit, Mich.
Casey-Hedges Co., Chattanooga, Tenn.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
W. & A. Fletcher Co., Hoboken, N. J.
S. Freeman & Sons Mfg. Co., Racine, Wis.

Boilers, Marine—Cont.
Gas Engine and Power Co., & Charles L. Seabury & Co., Cons., New York.
Great Lakes Engineering Works, Detroit, Mich.
Harlan & Hollingsworth Corp., Wilmington, Del.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
John Mohr & Sons, Chicago, Ill.
I. P. Morris Co., Philadelphia, Pa.
New York Shipbuilding Corp., Camden, N. J.
Power Specialty Co., New York.
James Rees & Sons Co., Pittsburgh, Pa.
Sumner Iron Works, Everett, Wash.
Willamette Iron and Steel Works, Portland, Ore.

Boilers, Petroleum.
John Brennan & Co., Detroit, Mich.

Boilers, Portable.
John Brennan & Co., Detroit, Mich.
Brownell Co., Dayton, Ohio.
Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
Huber Mfg. Co., Inc., Marion, Ohio.
Oil Well Supply Co., Pittsburgh, Pa.
Power Specialty Co., New York.

Boilers, Range.
Abram Cox Stove Co., Philadelphia, Pa.
L. O. Koven & Bro., New York.
L. Wolff Mfg. Co., Chicago, Ill.
John Wood Mfg. Co., Conshohocken, Pa.

Boilers, Tubular.
Atlantic Works, East Boston, Mass.
Bass Foundry and Machine Co., Fort Wayne, Ind.
John Brennan & Co., Detroit, Mich.
Brownell Co., Dayton, Ohio.
Casey-Hedges Co., Chattanooga, Tenn.
D. Connelly Boiler Co., Cleveland, Ohio.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Frick Co., Waynesboro, Pa.
Kroeschell Bros. Co., Chicago, Ill.
Lidgerwood Mfg. Co., New York.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
I. P. Morris Co., Philadelphia, Pa.
Sumner Iron Works, Everett, Wash.
Henry Vogt Machine Co., Louisville, Ky.

Boilers, Water Tube.
Almy Water Tube Boiler Co., Providence, R. I.
Bath Iron Works, Ltd., Bath, Me.
Bass Foundry and Machine Co., Fort Wayne, Ind.
Bigelow Co., New Haven, Conn.
Casey-Hedges Co., Chattanooga, Tenn.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Edge Moor Iron Co., Edge Moor, Del.
Erie City Iron Works, Erie, Pa.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Kroeschell Bros. Co., Chicago, Ill.

Boilers, Water Tube—Cont.
Llewellyn Iron Works, Los Angeles, Cal.
John Mohr & Sons, Chicago, Ill.
Power Specialty Co., New York.
Henry Vogt Machine Co., Louisville, Ky.

Bolsters, Car Body and Truck.
American Steel Foundries, Chicago, Ill.
Bettendorf Co., Bettendorf, Iowa.
Buckeye Steel Castings Co., Columbus, Ohio.
Chicago Railway Equipment Co., Chicago, Ill.
Commonwealth Steel Co., St. Louis, Mo.
Erie Car Works, Erie, Pa.
Gould Coupler Co., New York.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.

Bolters and Graders for Flour.
Barnard & Leas Mfg. Co., Moline, Ill.
C. O. Bartlett & Snow Co., Cleveland, Ohio.
Nordyke & Marmon Co., Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

Bolts and Nuts.
American Car and Foundry Co., New York.
American Iron and Steel Mfg. Co., Lebanon, Pa.
Atlas Bolt and Screw Co., Cleveland, Ohio.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Columbus Bolt Works, Columbus, Ohio.
Corbin Screw Corp., New Britain, Conn.
Detroit Screw Works, Detroit, Mich.
Gaynor Mfg. Co., Bridgeport, Conn.
Graham Nut Co., Pittsburgh, Pa.
Hartford Machine Screw Co., Hartford, Conn.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Philadelphia, Pa.
Hubbard & Co., Pittsburgh, Pa.
Kirk-Latty Mfg. Co., Cleveland, Ohio.
Lamson & Sessions Co., Cleveland, Ohio.
National-Acme Mfg. Co., Cleveland, Ohio.
National Metal Molding Co., Pittsburgh, Pa.
National Screw and Tack Co., Cleveland, Ohio.
Neely Nut and Bolt Co., Pittsburgh, Pa.
New Haven Screw Co., New Haven, Conn.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt and Nut Co., Scranton, Pa.
Seattle Car and Foundry Co., Seattle, Wash.
Southern California Iron and Steel Co., Los Angeles, Cal.
Standard Screw Co., Chicago, Ill.
Upson Nut Co., Cleveland, Ohio.

Bolts, Door.
Russell & Erwin Mfg. Co., New Britain, Conn.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.
Stanley Works, New Britain, Conn.
Yale & Towne Mfg. Co., New York.

Bolts, Expansion.

J. Edward Ogden Co., New York.

Bolts, Flexible Boiler Stay.

(See Staybolts.)

Bolts, Shackle.

Ferry Cap and Set Screw Co., Cleveland, Ohio.
Steel Products Co., Cleveland, Ohio.
Winkley Co., Detroit, Mich.

Bolts, Stove and Tire.

American Screw Co., Providence, R. I.
Atlas Bolt and Screw Co., Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Corbin Screw Corp., New Britain, Conn.
National Screw and Tack Co., Cleveland, Ohio.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y.
Southern California Iron and Steel Co., Los Anegles, Cal.
Upson Nut Co., Cleveland, Ohio.

Bolts, Track.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Colorado Fuel and Iron Co., Denver, Colo.
Inland Steel Co., Chicago, Ill.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Scranton Bolt and Nut Co., Scranton, Pa.
Upson Nut Co., Cleveland, Ohio.

Bonds, Engraved and Lithographed.

Goes Lithographing Co., Chicago, Ill.
Republic Bank Note Co., Pittsburgh, Pa.
Strobridge Lithographing Co., Cincinnati, Ohio.

Bone, Raw, for Case Hardening.

Jacob Dold Packing Co., Buffalo, N. Y.

Bones.

Wilson & Co., Inc., Chicago, Ill.

Book Stacks for Libraries.

(See Shelving, Library.)

Bookbinders.

Henry Altemus Co., Philadelphia, Pa.
Isaac H. Blanchard & Co., New York.
A. T. De La Mare Co., Inc., New York.
R. R. Donnelley & Sons Co., Chicago, Ill.
Dunlap Printing Co., Philadelphia, Pa.
Forman-Bassett Co., Cleveland, Ohio.
Gardiner Binding and Mailing Co., New York.
William G. Johnston & Co., Pittsburgh, Pa.
Eugene C. Lewis Co., New York.
J. Manz Engraving Co., Chicago, Ill.
Periodical Press, Inc., New York.
Rogers & Co., Inc., Chicago, Ill.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.
Wynkoop, Hallenbeck, Crawford Co., New York.

Bookcases.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Dahlstrom Metallic Door Co., Jamestown, N. Y.

Bookcases—Cont.

Doernbecher Mfg. Co., Portland, Ore.
Globe-Wernicke Co., Cincinnati, Ohio.
Macey Co., Grand Rapids, Mich.
Royal Furniture Co., Grand Rapids, Mich.
Royal Mantel and Furniture Co., Rockford, Ill.
Skandia Furniture Co., Rockford, Ill.
Udell Works, Indianapolis, Ind.
Union Furniture Co., Rockford, Ill.

Bookcases, Sectional.

Globe-Wernicke Co., Cincinnati, Ohio.
Gunn Furniture Co., Grand Rapids, Mich.
Macey Co., Grand Rapids, Mich.
Skandia Furniture Co., Rockford, Ill.

Books, Blank.

Baker Printing Co., Newark, N. J.
J. C. Blair Co., Huntingdon, Pa.
Brandon Printing Co., Nashville, Tenn.
Courier-Journal Job Printing Co., Louisville, Ky.
Forman-Bassett Co., Cleveland, Ohio.
Stephen Greene Co., Philadelphia, Pa.
William G. Johnston & Co., Pittsburgh, Pa.
William Mann Co., Philadelphia, Pa.
Reynolds & Reynolds Co., Dayton, Ohio.
Saugerties Mfg. Co., Saugerties, N. Y.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.

Books, Children's.

Methodist Book Concern, Cincinnati, Ohio.
Rand, McNally & Co., Chicago, Ill.

Books, Copying.

William Mann Co., Philadelphia, Pa.

Books, Memorandum.

H. B. Hardenburg & Co., Brooklyn, N. Y.
Elwood Myers Co., Springfield, Ohio.

Books, Scientific and Technical.

R. R. Donnelley & Sons Co., Chicago, Ill.
Gillespie Bros., Inc., Stamford, Conn.
Rand, McNally & Co., Chicago, Ill.
West Publishing Co., St. Paul, Minn.

Boot and Shoe Polish.

(See Polish, Shoe; also Blacking, Shoe.

Boots and Shoes.

Adams Shoe Co., Lynn, Mass.
George W. Baker Shoe Co., Brooklyn, N. Y.
A. J. Bates, Inc., New York.
C. W. Bennett & Co., Inc., Fitchburg, Mass.
A. H. Berry Shoe Co., Portland, Me.
Boyden Shoe Mfg. Co., Newark, N. J.
Brown Shoe Co., St. Louis, Mo.
Buckingham & Hecht, San Francisco, Cal.
Cincinnati Shoe Co., Cincinnati, Ohio.
B. E. Cole & Co., Boston, Mass.
Commonwealth Shoe and Leather Co., Boston, Mass.
Thomas Cort, Inc., Newark, N. J.
J. & T. Cousins, Brooklyn, N. Y.
Lewis A. Crossett, Inc., North Abington, Mass.
Cushman-Hollis Co., Auburn, Me.
Charles A. Eaton Co., Brockton, Mass.
John Ebberts Shoe Co., Buffalo, N. Y.
Excelsior Shoe Co., Portsmouth, Ohio.
Field Bros. & Gross Co., Boston, Mass.
Florsheim Shoe Co., Chicago, Ill.
C. P. Ford & Co., Rochester, N. Y.
Charles K. Fox, Inc., Haverhill, Mass.

Boots and Shoes—Cont.

French, Shriner & Urner, Boston, Mass.
John A. Frye Shoe Co., Marlboro, Mass.
A. Garside & Sons, New York.
C. S. Gibbon Co., Philadelphia, Pa.
H. C. Godman Co., Columbus, Ohio.
Hervey E. Guptill, Haverhill, Mass.
Hanan & Son, Brooklyn, N. Y.
Harrisburg Shoe Mfg. Co., Harrisburg, Pa.
Hoag & Walden, Lynn, Mass.
Holters Co., Cincinnati, O.
F. M. Hoyt Shoe Co., Manchester, N. H.
Huiskamp Bros. Co., Keokuk, Iowa.
Johnson Bros. Shoe Mfg. Co., Hallowell, Me.
Geo. E. Keith Co., Campello, Mass.
Preston B. Keith Shoe Co., Campello, Brockton, Mass.
John Kelly, Inc., Rochester, N. Y.
Alfred Kimball Shoe Co., Lawrence, Mass.
Krippendorf-Dittmann Co., Cincinnati, Ohio.
Krohn-Fechheimer Co., Cincinnati, Ohio.
Laird, Schober & Co., Philadelphia, Pa.
Lindner Shoe Co., Carlisle, Pa.
Macdonald & Kiley Co., Cincinnati, Ohio.
F. Mayer Boot & Shoe Co., Milwaukee, Wis.
Millett, Woodbury & Co., Beverly, Mass.
A. E. Nettleton Co., Syracuse, N. Y.
J. K. Orr Shoe Co., Atlanta, Ga.
M. A. Packard Co., Brockton, Mass.
Thomas G. Plant Co., Boston, Mass.
Isaac Prouty & Co., Boston, Mass.
Regal Shoe Co., Boston, Mass.
Riley Shoe Mfg. Co., Columbus, Ohio.
Roth Shoe Mfg. Co., Cincinnati, Ohio.
Selby Shoe Co., Portsmouth, Ohio.
G. Edwin Smith Shoe Co., Columbus, Ohio.
Stacy-Adams Co., Brockton, Mass.
Stetson Shoe Co., South Weymouth, Mass.
Charles W. Strohbeck, Inc., Brooklyn, N. Y.
E. E. Taylor Co., Boston, Mass.
Thacher & Co., Boston, Mass.
Thomas & Co., Brooklyn, N. Y.
Thomson-Crooker Shoe Co., Boston, Mass.
Utz & Dunn Co., Rochester, N. Y.
J. L. Walker & Co., Lynn, Mass.
A. G. Walton & Co., Inc., Boston, Mass.
Weyenberg Shoe Mfg. Co., Milwaukee, Wis.
Williams, Hoyt & Co., Rochester, N. Y.
Wright, Peters & Co., Rochester, N. Y.
Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah.

Boots and Shoes, Canvas.

Hood Rubber Co., Watertown, Mass.
La Crosse Rubber Mills Co., La Crosse, Wis.

Boots and Shoes, Rubber.

Boston Rubber Shoe Co., Boston, Mass.
L. Candee & Co., New Haven, Conn.
B. F. Goodrich Co., Akron, Ohio.
Hood Rubber Co., Watertown, Mass.
La Crosse Rubber Mills Co., La Crosse, Wis.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
United States Rubber Export Co., Ltd., New York.
Woonsocket Rubber Co., Woonsocket, R. I.

Borax.

American Oil and Supply Co., Newark, N. J.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pacific Coast Borax Co., New York.
Charles Pfizer & Co., New York.

Borers, Bunghole.

United States Bung Mfg. Co., Brooklyn, N. Y.

Boring Mill Jaws.

E. Horton & Son Co., Windsor Locks, Conn.

Bottle Caps.

American Metal Cap Co., Brooklyn, N. Y.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Thatcher Mfg. Co., Elmira, N. Y.

Bottle Carriers, Wooden.

George G. Page Box Co., Cambridge, Mass.

Bottle Corkers.

(See Machines, Bottling.)

Bottle Covers.

Hinde & Dauch Paper Co., Sandusky, Ohio.

Bottle Stoppers.

B. F. Goodrich Co., Akron, Ohio.

Bottle Wrappers.

Thompson & Norris Co., Brooklyn, N. Y.

Bottles.

Ball Bros. Glass Mfg. Co., Muncie, Ind.
Buck Glass Co., Baltimore, Md.
William Franzen & Son, Inc., Milwaukee, Wis.
Glenshaw Glass Co., Inc., Glenshaw, Pa.
Graham Glass Co., Evansville, Ind.
J. T. & A. Hamilton Co., Pittsburgh, Pa.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Illinois Glass Co., Alton, Ill.
Kearns-Gorsuch Bottle Co., Zanesville, Ohio.
Maryland Glass Corp., Baltimore, Md.
F. E. Reed Glass Co., Rochester, N. Y.
Swindell Bros., Baltimore, Md.
Thatcher Mfg. Co., Elmira, N. Y.
Whitall, Tatum Co., New York.

Bottles, Druggists' and Perfumers'.

Buck Glass Co., Baltimore, Md.
Carr-Lowry Glass Co., Baltimore, Md.
Eimer & Amend, New York.
J. T. & A. Hamilton Co., Pittsburgh, Pa.
Maryland Glass Corp., Baltimore, Md.
Swindell Bros., Baltimore, Md.

Bottles, High Pressure.

William Franzen & Son, Inc., Milwaukee, Wis.
Glenshaw Glass Co., Inc., Glenshaw, Pa.
Graham Glass Co., Evansville, Ind.
J. T. & A. Hamilton Co., Pittsburgh, Pa.

Bottles, Rubber.

Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., New York
Parker, Stearns & Co., Brooklyn, N. Y.

Bottles, Rubber—Cont.
Whitall, Tatum Co., New York.

Bottles, "Thermos" Temperature.
American Thermos Bottle Co., New York.

Bouillon Cubes.
Schieffelin & Co., New York.

Bowling Alleys and Supplies.
Brunswick-Balke-Collender Co., New York.

Box Boards.
American Wood Board Co., Schuylerville, N. Y.
Ingalls & Co., Castleton-on-Hudson, N. Y.
La Fayette Box Board and Paper Co., La Fayette, Ind.
Lowe Paper Co., Ridgefield, N. J.
New Haven Pulp and Board Co., New Haven, Conn.
Schmidt & Ault Paper Co., New York.
W. W. Snyder Mfg. Co., Inc., Cohoes, N. Y.
John Strange Paper Co., Menasha, Wis.
United Paperboard Co., New York.

Box Openers.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.

Box Straps.
(See Fasteners, Box; also Hoops, Iron and Steel.)

Boxes and Crates, Bottle.
Forrester-Nace Box Co., Kansas City, Mo.
Mueller & Son Co., Milwaukee, Wis.

Boxes, Cable Junction.
Standard Underground Cable Co., Pittsburgh, Pa.

Boxes, Car Journal
Gould Coupler Co., New York.
Gregg Co., Ltd., Hackensack, N. J.
National Malleable Castings Co., Cleveland, Ohio.

Boxes, Cash.
Herring-Hall-Marvin Safe Co., New York.

Boxes, Cigar and Tobacco.
American Can Co., New York.
Mueller & Son Co., Milwaukee, Wis.
William Schimper & Co., Hoboken, N. J.

Boxes, Collar and Cuff.
C. F. Rumpp & Sons, Philadelphia, Pa.

Boxes, Corrugated Paper.
Federal Glass Co., Columbus, Ohio.
Hinde & Dauch Paper Co., Sandusky, Ohio.
Thompson & Norris Co., Brooklyn, N. Y.

Boxes, Fibre.
(See Boxes, Shipping, Fibre.)

Boxes, Folding, Paper.
Brown & Bailey Co., Philadelphia, Pa.
Globe Folding Box Co., Cincinnati, Ohio.
Nevins-Church Press, New York.
H. Schultz & Co., Chicago, Ill.
A. Geo. Schulz Co., Milwaukee, Wis.
Sefton Mfg. Co., Chicago, Ill.
Simplex & Doeller Co., Baltimore, Md.
F. C. Stettler Mfg. Co., Portland, Ore.
United States Paper Goods Co., Cincinnati, Ohio.

Boxes, Hardwood.
American Box and Lumber Co., Nashua, N. H.
Indiana Box Co., Elwood, Ind.
F. M. West Box Co., Springfield, Mass.

Boxes, Lock.
Corbin Cabinet Lock Co., New Britain, Conn.
Keyless Lock Co., Indianapolis, Ind.
Yale & Towne Mfg. Co., New York.

Boxes, Lock-Corner.
Atwood & McManus Box Co., Chelsea, Mass.
Kansas City Packing Box Co., Kansas City, Kans.
George G. Page Box Co., Cambridge, Mass.

Boxes, Match.
H. B. Hardenburg & Co., Brooklyn, N. Y.
Havell Mfg. Co., Newark, N. J

Boxes, Packing.
American Box and Lumber Co, Nashua, N. H.
Atwood & McManus Box Co., Chelsea, Mass.
August C. Beck Co., Milwaukee, Wis.
Louis Bossert & Son, Brooklyn, N. Y.
Chicago Mill and Lumber Co., Chicago, Ill.
Dodge & Bliss Co., Jersey City, N. J.
J. H. Duker Box Co., Baltimore, Md.
Eclipse Box and Lumber Co., Brooklyn, N. Y.
Forrester-Nace Box Co., Kansas City, Mo.
Great Southern Lumber Co., Bogalusa, La.
Indiana Box Co., Elwood, Ind.
Kansas City Packing Box Co., Kansas City, Kans.
Kieckhefer Box Co., Milwaukee, Wis.
Montgomery Bros. & Co., Buffalo, N. Y.
Mueller & Son Co., Milwaukee, Wis.
George G. Page Box Co., Cambridge, Mass.
Joseph T. Pearson, Philadelphia, Pa.
Potlatch Lumber Co., Potlatch, Idaho.
Rathborne, Hair & Ridgeway Co., Chicago, Ill.
Rochester Box & Lumber Co., Rochester, N. Y.
Shevlin-Hixon Co., Minneapolis, Minn.
Smeed Box Co., Cleveland, Ohio.
F. M. West Box Co., Springfield, Mass.

Boxes, Paper.
(See Cartons.)

Boxes, Pill and Powder.
American Can Co., New York.
F. N. Burt Co., Ltd., Buffalo, N. Y.

Boxes, Safe Deposit.
Hall's Safe Co., Cincinnati, Ohio,
Herring-Hall-Marvin Safe Co., New York
Yale & Towne Mfg Co., New York.
York Safe and Lock Co., York, Pa.

Boxes, Shipping, Fibre.
Hinde & Dauch Paper Co., Sandusky, Ohio.
Kansas City Packing Box Co., Kansas City, Kans.
Kieckhefer Box Co., Milwaukee, Wis.
George C. Page Box Co., Cambridge, Mass.

Boxes, Storage, etc., Steel.
W. J. Clark Co., Salem, Ohio.

Boxes, Strawboard.
Hinde & Dauch Paper Co., Sandusky, Ohio.

Boxes, Tin.
American Can Co., New York.
J. L. Clark Mfg. Co., Rockford, Ill.
Heekin Can Co, Cincinnati, Ohio.
Metal Package Co., Brooklyn, N. Y.
Passaic Metal Ware Co., Inc., Passaic, N. J.

Boxes, Vulcanized Fibre.
American Vulcanized Fibre Co., Wilmington, Del.

Bracelets, Gold and Gold Filled.
W. C. Edge Jewelry Co., Newark, N. J.
Long & Koch Co., Newark, N. J.
John .T Mauran Mfg. Co., Providence, R. I.
R. F. Simmons Co., Attleboro, Mass.

Braces, Bit.
Russell Jennings Mfg. Co., Chester, Conn.
Millers Falls Co., Millers Falls, Mass.
Stanley Rule and Level Co., New Britain, Conn.

Braces, Cross-Arm.
American Iron and Steel Mfg. Co., Lebanon, Pa.
Central Mfg. Co., Chattanooga, Tenn.

Brackets, Lamp.
Electric Railway Equipment Co., Cincinnati, Ohio.
Faries Mfg. Co., Decatur, Ill.
Hecla Iron Works, Brooklyn, N. Y.
Smyser-Royer Co., York, Pa.
Steel Products Co., Cleveland, Ohio.

Brackets, Shelf.
J. P. Eustis Mfg. Co., Boston, Mass.
Penn Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Conn.

Braids, Elastic.
Ansonia O. & C. Co., Ansonia, Conn.
Narrow Fabric Co., Reading, Pa.
Russell Mfg. Co., Middletown, Conn.

Braids, Embroidery.
Narrow Fabric Co., Reading, Pa.

Braids, Mohair and Silk.
A. B. Fiedler & Sons, Chicago, Ill.
August Moll Mfg. Co., New York.
Narrow Fabric Co., Reading, Pa.
A. H. Rice Co, Pittsfield, Mass.
William Skinner & Sons, Holyoke, Mass.
Tweedy Silk Mills, Danbury, Conn.

Braids, Worsted.
A. B. Fiedler & Sons, Chicago, Ill.
D. Goff & Sons, Pawtucket, R. I.
August Moll Mfg. Co., New York
Nonotuck Silk Co., Florence, Mass.

Brake Beams, Railway.
American Steel Foundries, Chicago, Ill.
Chicago Railway Equipment Co., Chicago, Ill.

Brake Handles.
Jas. L. Howard & Co., Hartford, Conn.

Brake Linings, Automobile.
Asbestos and Rubber Works of N. J., Camden, N. J.
Raybestos Co., Bridgeport, Conn.
Russell Mfg. Co., Middletown, Conn.

Brake Parts, Car.
(See also Brake Beams, Railway; also Brake Handles, Brake Shoes, Brake Wheels.)
American Iron and Steel Mfg. Co., Lebanon, Pa.

Brake Shoes.
American Brake Shoe and Foundry Co., New York.

Brake Wheels.
National Malleable Castings Co., Cleveland, Ohio.

Brakes, Air.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Westinghouse Air Brake Co., Pittsburgh, Pa.

Brakes, Automobile.
Raybestos Co., Bridgeport, Conn.

Brakes, Bicycle Coaster.
Corbin Screw Corp., New Britain, Conn.
Davis Sewing Machine Co., Dayton, Ohio.
Miami Cycle and Mfg. Co., Middletown, Ohio.
New Departure Mfg. Co., Bristol, Conn.

Brass, Ingot Casting.
Pacific Metal Works, San Francisco, Cal.

Brass Rods.
American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Co., New York.
Metals Production Equipment Co., Springfield, Mass.
Rome Brass and Copper Co., Rome, N. Y.

Brass Shapes.
American Brass Co., Waterbury, Conn.
Bristol Brass Co., Bristol, Conn.
W. S. Hough, Jr., Co., Providence, R. I.

Brass, Sheet.
American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
W. S. Hough, Jr., Co., Providence, R. I.
Manhattan Brass Co., New York.
Metals Production Equipment Co., Springfield, Mass.
Pilling Brass Co., Waterbury, Conn.
Rome Brass and Copper Co., Rome, N. Y.
Stamford Rolling Mills Co., Springdale, Conn.
Waterbury Rolling Mills, Inc., Waterbury, Conn.

Brass Work, Ornamental.

American Ring Co., New York.
Dayton Mfg. Co., Dayton, Ohio.
H. L. Judd Co., New York.
Manhattan Brass Co., New York.
Wright Mfg. Co., Philadelphia, Pa.

Brassieres.

Benjamin & Johnes, Newark, N. J.
Corset H. Co., Worcester, Mass.
Chas. R. DeBevoise Co., Newark, N. J.
H. W. Gossard Co., Chicago, Ill.
E. H. Horwood & Co., New York.
Madame Irene, New York.
Warner Brothers Co., Bridgeport, Conn.

Breakers, Stone and Ore.

(See also Machinery, Crushing and Pulverizing.)
Austin Mfg. Co., Chicago, Ill.
Farrell Foundry and Machine Co., Ansonia, Conn.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.
Kent Mill Co., Brooklyn, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Western Wheeled Scraper Co., Aurora, Ill.
Wheeling Mold and Foundry Co., Wheeling, W. Va.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.
Worthington Pump and Machinery Corp., New York.

Brewers' Grits.

American Hominy Co., Indianapolis, Ind.
John Gund Brewing Co., La Crosse, Wis.

Brick, Building, Common.

Athens Brick Co., Athens, Ohio.
Barr Clay Co., Streator, Ill.
Brigham Brothers, East Kingston, N. Y.
Denning's Point Brick Works, Newburgh, N. Y.
Hutton Co., Kingston, N. Y.
Hydraulic-Press Brick Co., St. Louis, Mo.
Illinois Brick Co., Chicago, Ill.
Rose Brick Co., New York.
Salmen Brick and Lumber Co., New Orleans, La.
Terry Brothers Co., Kingston, N. Y.
Tuttle Brick Co., Middletown, Conn.
Washburn Brothers Co., Jersey City, N. J.

Brick, Chemical.

American Enameled Brick and Tile Co., New York.
Harbison-Walker Refractories Co., Pittsburgh, Pa.

Brick, Enameled.

American Enameled Brick and Tile Co., New York.
Hydraulic-Press Brick Co., St. Louis, Mo.
Pacific Sewer Pipe Co., Los Angeles, Cal.

Brick, Fire.

N. Clark & Sons, San Francisco, Cal.
Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Evens & Howard Fire Brick Co., St. Louis, Mo.

Brick, Fire—Cont.

Harbison-Walker Refractories Co., Pittsburgh, Pa.
Kier Fire Brick Co., Pittsburgh, Pa.
McLain Fire Brick Co., Pittsburgh, Pa.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Robinson Clay Product Co. of New York, Akron, Ohio.
M. D. Valentine & Brother Co., Woodbridge, N. J.

Brick, Hollow.

American Enameled Brick and Tile Co., New York.

Brick, Paving.

Athens Brick Co., Athens, Ohio.
Barr Clay Co., Streator, Ill.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Hydraulic Press Brick Co., St. Louis, Mo.
Purington Paving Brick Co., Galesburg, Ill.
Streator Brick Co., Streator, Ill.

Brick, Pressed.

N. Clark & Sons, San Francisco, Cal.
Denny-Renton Clay and Coal Co., Seattle, Wash.
Hydraulic-Press Brick Co., St. Louis, Mo.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.

Brick, Red Clay.

Denning's Point Brick Works, Newburgh, N. Y.
Rose Brick Co., New York.

Brick, Shale.

Streator Brick Co., Streator, Ill.

Brick, Vitrified.

Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Hydraulic-Press Brick Co., St. Louis, Mo.

Bridges, Iron and Steel.

Canton Bridge Co., Canton, Ohio.
Decatur Bridge Co., Decatur, Ill.
Federal Bridge and Structural Co., Waukesha, Wis.
Indiana Bridge Co., Muncie, Ind.
Levgar Structural Co., New York.
Llewellyn Iron Works, Los Angeles, Cal.
Milliken Brothers Co., Inc., Milliken, Staten Island, N. Y.
Mount Vernon Bridge Co., Mount Vernon, Ohio.
New England Structural Co., Boston, Mass.
Northwest Steel Co., Portland, Ore.
Pittsburgh Bridge and Iron Works, Rochester, Pa.
Riverside Bridge Co., Martins Ferry, Ohio.
Lewis F. Shoemaker & Co., Philadelphia, Pa.
Standard Bridge Co., Omaha, Neb.
Toledo Bridge and Crane Co., Toledo, Ohio.
Union Iron Works of Los Angeles, Los Angeles, Cal.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Virginia Bridge and Iron Co., Roanoke, Va.
Wisconsin Bridge and Iron Co., North Milwaukee, Wis.

Brimstone.
(See Sulphur.)

Briquets.
Paragon Refining Co., Toledo, Ohio.

Bristol Board.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
Strathmore Paper Co., Mittineague, Mass.

Broadcloth.
Forstmann & Huffmann Co., Passaic, N. J.
Roy Woolen Co., Watervliet, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Worumbo Mfg. Co., Bath, Me.

Bromides.
Heyden Chemical Works, New York
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Bronze Art Work.
Gorham Co., New York.
Hecla Iron Works, Brooklyn, N. Y.
Manhattan Brass Co., New York.
W. H. Mullins Co., Salem, Ohio.
Reed & Barton, Taunton, Mass.
Wright Mfg. Co., Philadelphia, Pa.

Bronze, Phosphor.
Damascus Bronze Co., Pitsburgh, Pa.
Phosphor-Bronze Smelting Co., Philadelphia, Pa.
Pilling Brass Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.

Bronze Powders.
Bronze Powder Works Co., Elizabeth, N. J.
Fuchs & Lang Mfg. Co., New York.
Gerstendorfer Brothers, New York.

Bronze Sheet.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Co., New York.
Stamford Rolling Mill Co., Springdale, Conn.
Waterbury Rolling Mills, Inc., Waterbury, Conn.

Bronze, Special.
Bunting Brass and Bronze Co., Toledo, Ohio.
Damascus Bronze Co., Pittsburgh, Pa.

Bronze, Tobin.
American Brass Co., Waterbury, Conn.

Bronzing Liquids.
Bronze Powder Works Co., Elizabeth, N. J.
Gerstendorfer Brothers, New York.
Franklin H. Kalbfleisch Co., New York.

Brushes, Bottle Washing.
B. F. Goodrich Co., Akron, Ohio.
S. S. Wenzell Machine Co., Philadelphia, Pa.

Brushes, Bristle.
Florence Mfg. Co., Florence, Mass.
Osborn Mfg. Co., Cleveland, Ohio.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.
William Schimper & Co., Hoboken, N. J.

Brushes, Bristle—Cont.
Wm. A. Tottle & Co., Baltimore, Md.
John L. Whiting-J. J. Adams Co., Boston, Mass.

Brushes, Carbon, Electric.
National Carbon Co., Cleveland, Ohio.
United States Graphite Co., Saginaw, Mich.

Brushes, Floor.
Osborn Mfg. Co., Cleveland, Ohio.
Wm. A. Tottle & Co., Inc., Baltimore, Md.
John L. Whiting-J. J. Adams Co., Boston, Mass.

Brushes, Hair and Toilet.
Florence Mfg. Co., Florence, Mass.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.
William Schimper & Co., Hoboken, N. J.
John L. Whiting-J. J. Adams Co., Boston, Mass.

Brushes, Paint.
F. W. Devoe & C. T. Raynolds Co., New York.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.
Wm. A. Tottle & Co., Baltimore, Md.
Wadsworth, Howland & Co., Inc., Boston, Mass.
John L. Whiting-J. J. Adams Co., Boston, Mass.

Brushes, Shaving and Tooth.
Florence Mfg. Co., Florence, Mass.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.
John L. Whiting-J. J. Adams Co., Boston, Mass.

Brushes, Wire.
Osborn Mfg. Co., Cleveland, Ohio.

Buckets, Elevator and Conveyor.
American Hoist and Derrick Co., St. Paul, Minn.
Blaw Steel Construction Co., Pittsburh, Pa.
Brown Hoisting Machinery Co., Cleveland, Ohio.
W. J. Clark Co., Salem, Ohio.
Hayward Co., New York.
Heyl & Patterson, Inc., Pittsburgh, Pa.
Illinois Malleable Iron Co., Chicago, Ill.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., Cambridge, Mass.
Petroleum Iron Works of Ohio, Sharon, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stephens-Adamson Mfg. Co., Aurora, Ill.
G. L. Stuebner Iron Works, Long Island City, N. Y.
Wellman-Seaver-Morgan Co., Cleveland, Ohio.

Buckets, Foundry and Well.
P. Wall Mfg. Supply Co., Pittsburgh, Pa.

Buckets, Galvanized Water.
(See Pails and Buckets, Galvanized.)

Buckles.
Alma Mfg. Co., Baltimore, Md.
Autoyre Co., Oakville, Conn.
Covert Mfg. Co., Troy, N. Y.
Eberhard Mfg. Co., Cleveland, Ohio.

Buckles—Cont.

Elbel Co., Canton, Ohio.
Havell Mfg. Co., Newark, N. J.
A. A. Marks, New York.
G. E. Prentice Mfg. Co., New Britain, Conn.
Riker Co., Newark, N. J.
B. M. Shanley, Jr., Co., Newark, N. J.
Traut & Hine Mfg. Co., New Britain, Conn.
Waterbury Buckle Co., Waterbury, Conn.
Wire Novelty Mfg. Co., West Haven, Conn.

Buggies.

Moon Brothers Carriage Co., St. Louis, Mo.
Parry Mfg. Co., Indianapolis, Ind.
Racine-Sattley Co., Racine, Wis.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
Studebaker Corp. of America, South Bend, Ind.
Montgomery Ward Co., Chicago, Ill.

Buildings, Iron and Steel.

(See Structural Iron and Steel, and Constructors, Building.)

Bulbs, Glass, for Electric Lamps.

Corning Glass Works, Corning, N. Y.
Gill Brothers Co., Steubenville, Ohio.
Libby Glass Co., Toledo, Ohio.
Lippincott Glass Co., Cincinnati, Ohio.

Bullets, Lebel.

Gaynor Mfg. Co., Bridgeport, Conn.

Bungs.

Bishop - Babcock - Becker Co., Cleveland, Ohio.
John Sommer Faucet Co., Newark, N. J.
United States Bung Mfg. Co., Brooklyn, N. Y.

Bunting.

Griswoldville Mfg. Co., New York.

Burglar Alarms.

W. R. Ostrander & Co., New York.

Burlap.

Fulton Bag and Cotton Mills, Atlanta, Ga.

Burlap Wall Covering.

H. B. Wiggin's Sons Co., Bloomfield, N. J.

Burners, Gas and Acetylene.

American Gas Furnace Co., New York.
Best Light Co., Canton, Ohio.
Bridgeport Brass Co., Bridgeport, Conn.
William M. Crane Co., New York.
Equitable Meter Co., Pittsburgh, Pa.
Welsbach Co., Gloucester, N. J.

Burners, Gasoline.

Best Light Co., Canton, Ohio.

Burners, Incandescent Gas.

Edward Miller & Co., Meriden, Conn.
Welsbach Co., Gloucester, N. J.

Burners, Lamp.

Best Light Co., Canton, Ohio.
Manhattan Brass Co., New York.
Edward Miller & Co., Meriden, Conn.
Plume & Atwood Mfg. Co., New York.
Wheeling Stamping Co., Wheeling, W. Va.

Burners, Oil.

Edward Miller & Co., Meriden, Conn.

Bushings, Bronze.

Bunting Brass and Bronze Co., Toledo, Ohio.
Harley Co., Springfield, Mass.

Butter.

Fairmont Creamery Co., Omaha, Neb.
Harding Cream Co., Omaha, Neb.
Morris & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.

Butter, Artificial.

Nucoa Butter Co., Inc., Bayonne, N. J.

Butter, Cocoa.

Chas. H. Phillips Chemical Co., New York.
Rockwood & Co., Brooklyn, N. Y.

Butter Tubs and Kits.

California Barrel Co., San Francisco, Cal.

Buttons, Composition.

Art Button Co., Rochester, N. Y.
Federal Button Co., Newark, N. J.
Samstag & Hilder Bros., New York.

Buttons, Fabric.

Art Button Co., Rochester, N. Y.
Saugatuck Mfg. Co., Saugatuck, Conn.

Buttons, Gold.

Eckfeldt & Ackley, Newark, N. J.
Theodore W. Foster & Bro. Co., Providence, R. I.
Link & Angell, Inc., Newark, N. J.
John T. Mauran Mfg. Co., Providence, R. I.
E. L. Spencer Co., Inc., Providence, R I.

Buttons, Metal.

Alma Mfg. Co., Baltimore, Md.
Art Button Co., Rochester, N. Y.
Havell Mfg. Co., Newark, N. J.
Samstag & Hilder Bros., New York.
Saugatuck Mfg. Co., Saugatuck, Conn.

Buttons, Pearl.

Automatic Button Co., Muscatine, Ia.
Hawkeye Pearl Button Co., Muscatine, Ia.
New Jersey Button Works, Newark, N. J.
Wisconsin Pearl Button Co., La Crosse, Wis.

Buttons, Push.

Ansonia Electrical Co., Ansonia, Conn.
Interstate Electric Novelty Co., Brooklyn, N. Y.
Manhattan Electrical Supply Co., New York.
W. R. Ostrander & Co., New York.

Buttons, Vegetable Ivory.

Art Button Co., Rochester, N. Y.
Federal Button Co., Newark, N. J.
New Jersey Button Works, Newark, N. J.
Saugatuck Mfg. Co., Saugatuck, Conn.

Buttons, Wood and Ivory.

Art Button Co., Rochester, N. Y.

Cabinet Work.

American Car and Foundry Co., New York.
A. H. Andrews Co., Chicago, Ill.
E. Bailey & Sons, Inc., Patchogue, N. Y.

Cabinet Work—Cont.

Curtis Lumber and Millwork Co., Clinton, Ia.
Curtis, Towle & Paine Co., Lincoln, Neb.
Grand Rapids Show Case Co., Grand Rapids, Mich.
C. H. Haberkorn & Co., Detroit, Mich.
William L. Ross & Co., East Cambridge, Mass.
St. John Wood Working Co., Stamford, Conn.
John F. Wilcox Co., Minneapolis, Minn.

Cabinets and Cases.

Computing-Tabulating-Recording Co., New York.
Crouse-Hinds Co., Syracuse, N. Y.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Globe-Wernicke Co., Cincinnati, Ohio.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Koken Barbers' Supply Co., St. Louis, Mo.
Theodor Kundtz Co., Cleveland, Ohio.
Macey Co., Grand Rapids, Mich.
Poole Bros., Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.
Snead & Co., Iron Works, Jersey City, N. J.
Toledo Metal Furniture Co., Toledo, Ohio.
Union Furniture Co., Rockford, Ill.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Cabinets, Filing.

(See Files, Letter.)

Cabinets, Instrument and Medicine.

J. P. Eustis Mfg. Co., Cambridge, Mass.
Udell Works, Indianapolis, Ind.

Cabinets, Music.

Herzog Art Furniture Co., Saginaw, Mich.
William Tonk & Bro., Inc., New York.
Union Furniture Co., Rockford, Ill.

Cabinets, Phonograph Record.

Udell Works, Indianapolis, Ind.

Cabinets, Piano-Player Roll.

William Tonk & Bro., Inc., New York.
Udell Works, Indianapolis, Ind.

Cabinets, Steel.

Frank Adam Electric Co., St. Louis, Mo.
Shaw-Walker Co., Muskegon, Mich.
Snead & Co. Iron Works, Jersey City, N. J.

Cabinets, Toilet Paper.

Scott Paper Co., Philadelphia, Pa.

Cable, Armored or Insulated Electric.

Acme Rubber Mfg. Co., Trenton, N. J.
American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Atlantic Insulated Wire and Cable Co., New York.
Bishop Gutta Percha Co., New York.
Crescent Insulated Wire and Cable Co., Trenton, N. J.
Detroit Insulated Wire Co., Detroit, Mich.
B. F. Goodrich Co., Akron, Ohio.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kerite Insulated Wire and Cable Co., Inc., New York.

Cable, Armored or Insulated Electric—Cont.

National Metal Molding Co., Pittsburgh, Pa.
Okonite Co., New York.
Phillips Insulated Wire Co., Pawtucket, R. I.
Safety Insulated Wire and Cable Co., New York.
Simplex Wire and Cable Co., Boston, Mass.
Sprague Electric Works of General Electric Co., New York.
Standard Underground Cable Co., Pittsburgh, Pa.
Trumbull Electric Mfg. Co., Plainville, Conn.
United States Rubber Export Co., Ltd., New York.
Waterbury Co., New York.
Whitney Blake Co., New Haven, Conn.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Cables, Drilling and Transmission.

Columbian Rope Co., Auburn, N. Y.
Wall Rope Works, Inc., New York.
Waterbury Co., New York.
Whitlock Cordage Co., New York

Cableways.

Clyde Iron Works, Duluth, Minn.
Lambert Hoisting Engine Co., Newark, N. J.
Lidgerwood Mfg. Co., New York.

Cadmium.

Albany Chemical Co., Albany, N. Y.
Grasselli Chemical Co., New York.
Krebs Pigment and Chemical Co., Newport, Del.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Cages, Bird.

Andrew B. Hendryx Co., New Haven, Conn.

Cake, Cotton Seed.

Southern Cotton Oil Co., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Calcium Carbide.

Union Carbide Co., Chicago, Ill.

Calcium Chloride and Fluoride.

Mallinckrodt Chemical Works, St. Louis, Mo.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Solvay Process Co., Syracuse, N. Y.
John C. Wiarda Co., Brooklyn, N. Y.

Calcium Products.

Georgia Marble Co., Tate, Ga.
Merck & Co., New York.

Caldrons.

(See Kettles.)

Calendars.

Brown & Bigelow, St. Paul, Minn.
Gibson Art Co., Cincinnati, Ohio.
Goes Lithographing Co., Chicago, Ill.
H. B. Hardenburg & Co., Brooklyn, N. Y
Henderson Lithographing Co., Cincinnati, Ohio.
Kemper-Thomas Co., Cincinnati, Ohio.

Calendars—Cont.

Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.
J. Manz Engraving Co., Chicago, Ill.
Elwood Myers Co., Springfield, Ohio.
Rand, McNally & Co., Chicago, Ill.
William Schimper & Co., Hoboken, N. J.
Schmidt Lithograph Co., San Francisco, Cal.
Stone Printing and Manufacturing Co., Roanoke, Va.
Strobridge Lithographing Co., Cincinnati, Ohio.
Samuel C. Tatum Co., Cincinnati, Ohio.

Calipers and Gauges.

(See Gauges, Measuring.)

Calking Materials.

Pecora Paint Co., Philadelphia, Pa.

Calks, Heel and Toe, for Horse Shoes.

American Horse Shoe Co., Phillipsburg, N. J.
Manufacturers' Iron and Steel Corp., New Brunswick, N. J.
Phoenix Horse Shoe Co., Chicago, Ill.
Rowe Calk Co., Hartford, Conn.

Calomel.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.

Calorimeters.

Eimer & Amend, New York.

Cambrics.

King Philip Mills, Fall River, Mass.
Millville Mfg. Co., Philadelphia, Pa.
Warren Mfg. Co., Warren, R. I.

Cameras.

Ansco Co., Binghamton, N. Y.
Eastman Kodak Co., Rochester, N. Y.

Camphor.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.

Camphor, Coal Tar.

(See Naphthaline.)

Cams.

Rowbottom Machine Co., Waterbury, Conn.

Candles.

M. Werk Co., St. Bernard, Cincinnati, Ohio.
Will & Baumer Co., Inc., Syracuse, N. Y.

Candlesticks, Metal.

American Ring Co., New York.
Wright Mfg. Co., Philadelphia, Pa.

Cane Mills and Crushers.

(See Mills, Cane.)

Canes.

Follmer, Clogg & Co., Lancaster, Pa.

Canned Goods.

Alaska Packers' Association, San Francisco, Cal.
American Preserve Co., Philadelphia, Pa.
F. E. Booth Co., San Francisco, Cal.

Canned Goods—Cont.

California Fruit Canners' Association, San Francisco, Cal.
Joseph Campbell Co., Camden, N. J.
Cudahy Packing Co., Chicago, Ill.
Curtice Bros. Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa
Libby, McNeil & Libby, Inc., Chicago, Ill.
E. Pritchard, New York.

Canners' Equipment.

Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Cannon, Yacht.

Winchester Repeating Arms Co., New Haven, Conn.

Canopies, Bed.

I. E. Palmer Co., Middletown, Conn.

Canopy Frames and Fixtures.

I. E. Palmer Co., Middletown, Conn.

Cans, Ash.

American Can Co., New York.
Witt Cornice Co., Cincinati, Ohio.

Cans, Fibre.

W. C. Ritchie & Co., Chicago, Ill.

Cans, Garbage.

American Can Co., New York.
Witt Cornice Co., Cincinnati, Ohio.

Cans, Glass.

(See Jars, Fruit.)

Cans, Oil.

Edwards Mfg. Co., Cincinnati, Ohio.
Peter Gray & Sons, Inc., Cambridge, Mass.
L. O. Koven & Bro., New York.
Stuber & Kuck Co., Peoria, Ill.

Cans, Oily Waste.

American Can Co., New York.
W. J. Clark Co., Salem, Ohio.
L. O. Koven & Bro., Jersey City, N. J.
P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Witt Cornice Co., Cincinnati, Ohio.

Cans, Paper.

American Mono-Service Co., Newark, N. J.
Davenport Paper Box Co., Cincinnati, Ohio.

Cans, Tin.

J. L. Clark Mfg. Co., Rockford, Ill.
Columbia Can Co., St. Louis, Mo.
Frank Tea and Spice Co., Cincinnati, Ohio.
Heekin Can Co., Cincinnati, Ohio.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Los Angeles Can Co., Los Angeles, Cal.
Passaic Metal Ware Co., Inc., Passaic, N. J.
Penick & Ford, Ltd., New Orleans, La.
Southern Mfg. Co., Richmond, Va.
Stuber & Kuck Co., Peoria, Ill.
Wheeling Can Co., Wheeling, W. Va.

Canvas for Wall Covering.

H. B. Wiggin's Sons Co., Bloomfield, N. J.

Caps, Cloth.

Gordon & Ferguson, Inc., St. Paul, Minn.
Hirschberg & Co., New York.
Charles S. Merton Co., New York.
Mohawk Valley Cap Factory, Utica, N. Y.
Cornelius Weiss, Brooklyn, N. Y.

Caps, Knitted.
Mohawk Valley Cap Co., Utica, N. Y.
Phoenix Knitting Works, Milwaukee, Wis.

Caps, Screw.
(See Screw Tops.)

Capstans.
American Engineering Co., Philadelphia, Pa.
American Hoist and Derrick Co., St. Paul, Minn.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Lidgerwood Mfg. Co., New York.
Mead-Morrison Mfg. Co., East Boston, Mass.

Capsules, Gelatine.
Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.

Car Ends.
Chicago-Cleveland Car Roofing Co., Chicago, Ill.
Commonwealth Steel Co., St. Louis, Mo.

Car Seats.
J. G. Brill Co., Philadelphia, Pa.
Hale & Kilburn Co., New York.

Car Trimmings, Brass.
Adams & Westlake Co., Chicago, Ill.
J. G. Brill Co., Philadelphia, Pa.
Dayton Mfg. Co., Dayton, Ohio.

Car Underframes, Steel.
American Car and Foundry Co., New York.
Bettendorf Co., Bettendorf, Iowa.
J. G. Brill Co., Philadelphia, Pa.
Virginia Bridge and Iron Co., Roanoke, Va.

Carbonating Apparatus.
Bishop-Babcock-Becker Co., Cleveland, Ohio.
Wittemann Co., Buffalo, N. Y.

Carbonic Acid Gas.
Bishop - Babcock - Becker Co., Cleveland, Ohio.
Natural Carbonic Gas Co., Newark, N. J.
Ohio Chemical and Mfg. Co., Cleveland, Ohio.

Carbons, Electric Arc Light.
National Carbon Co., Cleveland, Ohio.

Carborundum Paper and Cloth.
Carborundum Co., Niagara Falls,, N. Y.

Carborundum Wheels.
(See Wheels, Carborundum.)

Carboys.
Illinois Glass Co., Alton, Ill.
Whitall Tatum Co., New York.

Carburetors.
Detroit Lubricator Co., Detroit, Mich.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Penberthy Injector Co., Detroit, Mich.
Wheeler-Schebler Carburetor Co., Indianapolis, Ind.

Card Cases.
(See Pocketbooks, Card Cases, etc.)

Card Clothing.
William Crabb & Co., Newark, N. J.
Mechanical Fabric Co., Providence, R. I.

Card Indexes.
Baker-Vawter Co., Benton Harbor, Mich.
Browne-Morse Co., Muskegon, Mich.
Globe-Wernicke Co., Cincinnati, Ohio.
William G. Johnston & Co., Pittsburgh, Pa.
Macey Co., Grand Rapids, Mich.
Shaw-Walker Co., Muskegon, Mich.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Card Pins.
William Crabb & Co., Newark, N. J.

Cardboard.
Carter Rice & Co. Corp., Boston, Mass.
A. M. Collins Mfg. Co., Philadelphia, Pa.
R. L. Greene Paper Co., Providence, R. I.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Holyoke Card and Paper Co., Springfield, Mass.
Ingalls & Co., Castleton-on-Hudson, N. Y.
Lowe Paper Co., Ridgefield, N. J.
New Haven Pulp and Board Co., New Haven, Conn.

Cards, Cotton.
H. & B. American Machine Co., Pawtucket, R. I.

Cards, Illustrated.
Gibson Art Co., Cincinnati, Ohio.
Stephen Green Co., Philadelphia, Pa.
Henderson Lithographing Co., Cincinnati, Ohio.
Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.

Cards, Playing.
United States Playing Card Co., Cincinnati, Ohio.

Carlines.
Chicago-Cleveland Car Roofing Co., Chicago, Ill.

Carpets, Brussels.
Bigelow-Hartford Carpet Co., New York.
C. H. Masland & Sons, Inc., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Shuttleworth Brothers Co., Amsterdam, N. Y.
M. J. Whittall Associates, Worcester, Mass.

Carpets, Carriage.
Schofield, Mason & Co., Philadelphia, Pa.

Carpets, Cork.
George W. Blabon Co., Philadelphia, Pa.
Cook's Linoleum Co., Trenton, N. J.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.

Carpets, Ingrain.
Thomas L. Leedom Co., Bristol, Pa.

Carpets, Jute.
Chelsea Fibre Mills, New York.

Carpets, Smyrna.
John Bromley & Sons, Philadelphia, Pa.

Carpets, Tapestry.

McCleary, Wallin & Crouse, Amsterdam, N. Y.
C. H. Masland & Sons, Inc., Philadelphia, Pa.
Roxbury Carpet Co., Boston, Mass.

Carpets, Velvet, Wilton, Etc.

Bigelow-Hartford Carpet Co., New York.
John Bromley & Sons, Inc., Philadelphia, Pa.
Dornan Bros., Philadelphia, Pa.
Thomas L. Leedom Co., Bristol, Pa.
McCleary, Wallin & Crouse, Amsterdam, N. Y.
C. H. Masland & Sons, Inc., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Shuttleworth Brothers Co., Amsterdam, N. Y.
M. J. Whittall Associates, Worcester, Mass.

Carriage Accessories.

Monarch Carriage Goods Co., Cincinnati, Ohio.

Carriage Cloths.

Acme Rubber Mfg. Co., Trenton, N. J.
F. S. Carr Co., Boston, Mass.
Cook's Linoleum Co., Trenton, N. J.
Duratex Co., Newark, N. J.
Edmund F. Heath & Son, Newark, N. J.
Reading Rubber Mfg. Co., Reading, Mass.
Roy Woolen Co., Watervliet, N. Y.

Carriage Dashes, Leather.

McKinnon Dash Co., Buffalo, N. Y.

Carriage Parts.

Columbus Bolt Works, Columbus, Ohio.
Concord Axle Co., Concord, N. H.
Crandal, Stone & Co., Binghamton, N. Y.
Crane & MacMahon, Inc., New York.
Eberhard Mfg. Co., Cleveland, Ohio.
Electric Wheel Co., Quincy, Ill.
Firestone Tire and Rubber Co., Akron, Ohio.
E. A. Gillett & Sons, Boston, Mass.
Herbrand Co., Fremont, Ohio.
Illinois Iron and Bolt Co., Carpentersville, Ill.
McKinnon Dash Co., Buffalo, N. Y.
Monarch Carriage Goods Co., Cincinnati, Ohio.
Muncie Wheel Co., Muncie, Ind.
Pioneer Pole and Shaft Co., Piqua, Ohio.
Scranton Forging Co., Scranton, Pa.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Studebaker Corp. of America, South Bend, Ind.
Von Behren Mfg. Co., Evansville, Ind.
Weis & Lesh Mfg. Co., Muncie, Ind.
Western Spring and Axle Co., Cincinnati, Ohio.

Carriage Parts, Baby.

Children's Vehicle Corp., East Templeton, Mass.
E. R. Wagner Mfg. Co., North Milwaukee, Wis.

Carriage Trimmings.

(See Trimmings, Carriage and Casket.)

Carriages.

Sechler & Co., Cincinnati, Ohio.
Studebaker Corp. of America, South Bend, Ind.
Montgomery Ward & Co., Chicago, Ill.

Carriages, Baby.

Children's Vehicle Corp., East Templeton, Mass.
Gendron Wheel Co., Toledo, Ohio.

Carriers, Cash.

Lamson Co., Boston, Mass.
Rowe Calk Co., Hartford, Conn.

Carriers, Message.

Lamson Co., Boston, Mass.

Carriers, Parcel.

Lamson Co., Boston, Mass.
Rowe Calk Co., Hartford, Conn.

Carrousels.

Herschell-Spillman Co., North Tonawanda, N. Y.

Cars, Baggage.

Barney & Smith Car Co., Dayton, Ohio.
J. G. Brill Co., Philadelphia, Pa.
Harlan & Hollingsworth Corp., Wilmington, Del.

Cars, Caboose.

American Car and Foundry Co., New York.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.

Cars, Coal.

American Car and Foundry Co., New York.
Barney & Smith Co., Dayton, Ohio.
Mead-Morrison Mfg. Co., East Boston, Mass.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Pullman Co., Chicago, Ill.
Sanford-Day Iron Works, Knoxville, Tenn.
Virginia Bridge and Iron Co., Roanoke, Va.

Cars, Derrick.

American Hoist and Derrick Co., St. Paul, Minn.

Cars, Dump.

American Car and Foundry Co., New York.
American Clay Machinery Co., Bucyrus, Ohio.
Gregg Co., Ltd., New York.
H. S. Kerbaugh Co., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Dump Car Co., Chicago, Ill.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Seattle Car and Foundry Co., Seattle, Wash.
Watt Mining Car Wheel Co., Barnesville, Ohio.
Western Wheeled Scraper Co., Aurora, Ill.

Cars, Electric.
American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.

Cars, Electric Sprinkler.
J. G. Brill Co., Philadelphia, Pa.

Cars, Elevator.
Cheney Bigelow Wire Works, Springfield, Mass.
Dow Wire and Iron Works, Louisville, Ky.
W. S. Tyler Co., Cleveland, Ohio.

Cars, Freight.
American Car and Foundry Co., New York.
Barney & Smith Car Co., Dayton, Ohio.
Bettendorf Co., Bettendorf, Iowa.
J. G. Brill Co., Philadelphia, Pa.
Erie Car Works, Erie, Pa.
Gregg Co., Ltd., Hackensack, N. J.
Inter-State Car Co., Indianapolis, Ind.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Dump Car Co., Chicago, Ill.
Pullman Co., Chicago, Ill.
Russel Wheel and Foundry Co., Detroit, Mich.
Seattle Car and Foundry Co., Seattle, Wash.
Standard Steel Car Co., Pittsburgh, Pa.

Cars, Gondola.
American Car and Foundry Co., New York.
Barney & Smith Car Co., Dayton, Ohio.
Bettendorf Co., Bettendorf, Iowa.
Gregg Co., Ltd., Hackensack, N. J.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Dump Car Co., Chicago, Ill.
Virginia Bridge and Iron Co., Roanoke, Va.

Cars, Hand and Push.
American Car and Foundry Co., New York.
Buda Co., Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Pennsylvania Engineering Works, New Castle, Pa.

Cars, Industrial Railway.
Gregg Co., Ltd., Hackensack, N. J.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Lakewood Engineering Co., Cleveland, Ohio.
Mead-Morrison Mfg. Co., East Boston, Mass.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Pennsylvania Engineering Works, New Castle, Pa.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Seattle Car & Foundry Co., Seattle, Wash.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Cars, Logging.
American Car and Foundry Co., New York.
Gregg Co., Ltd., Hackensack, N. J.

Cars, Logging—Cont.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Seattle Car and Foundry Co., Seattle, Wash.

Cars, Mail.
Barney & Smith Car Co., Dayton, Ohio.
J. G. Brill Co., Philadelphia, Pa.
Harlan & Hollingsworth Corp., Wilmington, Del.

Cars, Mining.
American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.
Duncan Foundry and Machine Works, Alton, Ill.
Jeffrey Mfg. Co., Columbus, Ohio.
H. S. Kerbaugh Co., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Link Belt Co., Chicago, Ill.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill. Ill.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Watt Mining Car Wheel Co., Barnesville, Ohio.
Wellman-Seaver-Morgan Co., Cleveland, Ohio.

Cars, Motor.
Fairbanks, Morse & Co., Chicago, Ill.

Cars, Passenger.
American Car and Foundry Co., New York.
Barney & Smith Car Co., Dayton, Ohio.
Gregg Co., Ltd., Hackensack, N. J.
Harlan & Hollingsworth Corp., Wilmington, Del.
Pullman Co., Chicago, Ill.
Standard Steel Car Co., Pittsburgh, Pa.

Cars, Plantation.
American Car and Foundry Co., New York.
Gregg Co., Ltd., Hackensack, N. J.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Cars, Railway Construction and Inspection.
American Car and Foundry Co., New York.
Buda Co., Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Teeter-Hartley Motor Co., Hagerstown, Ind.
Western Wheeled Scraper Co., Aurora, Ill.

Cars, Refrigerator.
American Car and Foundry Co., New York.
Barney & Smith Car Co., Dayton, Ohio.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Seattle Car and Foundry Co., Seattle, Wash.

Cars, Stock.

American Car and Foundry Co., New York.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Pullman Co., Chicago, Ill.

Cars, Street.

American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.

Cars, Tank.

American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.
Erie Car Works, Erie, Pa.
Gregg Co., Ltd., Hackensack, N. J.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Cars, Wrecking.

American Car and Foundry Co., New York.

Cartons.

American Can Co., New York.
Bicknell & Fuller Paper Box Co., Boston, Mass.
G. A. Bisler, Inc., Philadelphia, Pa.
F. N. Burt Co., Ltd., Buffalo, N. Y.
Continental Paper Bag Co., New York.
Davenport Paper Box Co., Cincinnati, Ohio.
Heywood Mfg. Co., Minneapolis, Minn.
George G. Page Box Co., Cambridge, Mass.
Parker Hosiery Mill and Dye Works, Portsmouth, Va.
W. C. Ritchie & Co., Chicago, Ill.
Schmidt Lithograph Co., San Francisco, Cal.
H. Schultz & Co., Chicago, Ill.
A. Geo. Schulz Co., Milwaukee, Wis.
Sefton Mfg. Co., Chicago, Ill.
W. W. Snyder Mfg. Co., Inc., Cohoes, N. Y.
F. C. Stettler, Portland, Ore.
Strouse, Adler & Co., New York.
Union Paper Co., New York.
Warner Brothers Co., Bridgeport, Conn.
C. F. Wolff & Son, Chicago, Ill.

Cartridge Discs.

Seymour Mfg. Co., Seymour, Conn.

Cartridge Shells.

Remington Arms-Union Metallic Cartridge Co., New York.
Winchester Repeating Arms Co., New Haven, Conn.

Cartridges, Rifle and Revolver.

(See Ammunition, Small Arms.)

Carts, Dump.

Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Milburn Wagon Co., Toledo, Ohio.
Studebaker Corp. of America, South Bend, Ind.
Western Wheeled Scraper Co., Aurora, Ill.

Carts, Farm.

(See Wagons, Farm.)

Carts, Hand.

Gendron Wheel Co., Toledo, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Lansing Co., Lansing, Mich.

Carts, Road.

(See Buggies.)

Cases, Gold, Silver and Platinum.

Carter, Gough & Co., New York.
Frank T. May Co., New York.
B. M. Shanley, Jr., Co., Newark, N. J.
Wightman & Hough Co., Providence, R. I.

Cases, Leather, for Jewelry and Eyeglasses.

C. F. Rumpp & Sons, Philadelphia, Pa.

Cases, Pillow.

H. B. Claflin Corp., New York.
Riverside & Dan River Cotton Mills, Inc., Danville, Va.
Ernest Simons Mfg. Co., Port Chester, N. Y.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

Cases, Steel, Bottle.

American Steel Package Co., Defiance, Ohio.

Cash Registers.

(See Registers, Cash.)

Casing, Well, Clay Pipe.

W. S. Dickey Clay Mfg. Co., Kansas City, Mo.

Casing, Wrought Iron.

A. M. Byers Co., Pittsburgh, Pa.
La Belle Iron Works, Steubenville, Ohio.
Monongahela Tube Co., Pittsburgh, Pa.
Spang, Chalfant & Co., Inc., Pittsburgh, Pa.

Casings, Sausage.

Brecht Co., St. Louis, Mo.
Cudahy Packing Co., Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Morris & Co., Chicago, Ill.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.

Cassimeres.

W. J. Dickey & Sons, Inc., New York.
Eugene Woolen Mill Co., Eugene, Wash.
Forstmann & Huffmann Co., Passaic, N. J.
Samuel Fox's Sons, Inc., La Porte, Ind.
Louis Kraemer & Co., Reading, Pa.
Lawrence & Co., Boston, Mass.
Portland Woolen Mills, Portland, Ore.

Casters, Furniture and Trunk.

Foster, Merriam & Co., Meriden, Conn.
Lansing Co., Lansing, Mich.
M. B. Schenck Co., Meriden, Conn.

Casters, Truck.

Foster, Merriam & Co., Meriden, Conn.

Castings, Agricultural.

Illinois Malleable Iron Co., Chicago, Ill.
Rockford Malleable Iron Works, Rockford, Ill.

Castings, Aluminum.

(See Aluminum, Ingot and Cast.)

Castings, Architectural.

A. L. Swett Iron Works, Medina, N. Y.
West Side Foundry Co., Troy, N. Y.

Castings, Brass.

Aluminum Castings Co., Cleveland, Ohio.
Bath Iron Works, Ltd., Bath, Me.
Edwin J. Blake, Hartford, Conn.
Brady Brass Co., Jersey City, N. J.
Bronze Metal Co., New York.
Buckeye Iron and Brass Works, Dayton, Ohio.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Damascus Bronze Co., Pittsburgh, Pa.
John Davenport Co., Stamford, Conn.
Thomas Devlin Mfg. Co., Philadelphia, Pa.
Benjamin Eastwood Co., Paterson, N. J.
Elevator Supply and Repair Co., Hoboken, N. J.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Faries Mfg. Co., Decatur, Ill.
W. & A. Fletcher, Hoboken, N. J.
James Graham & Co., New Haven, Conn.
Harley Co., Springfield, Mass.
Hemsher Metal Co., Brooklyn, N. Y.
James L. Howard & Co., Hartford, Conn.
Jenkins Mfg. Co., Bloomfield, N. J.
Love Brothers, Inc., Aurora, Ill.
Lumen Bearing Co., Buffalo, N. Y.
Manhattan Brass Co., New York.
Mesta Machine Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
Seymour Mfg. Co., Seymour, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Castings, Bronze.

Aluminum Castings Co., Cleveland, Ohio.
Bath Iron Works, Ltd., Bath, Me.
Edwin J. Blake, Hartford, Conn.
Brady Brass Co., Jersey City, N. J.
Bronze Metal Co., New York.
Buckeye Iron and Brass Works, Dayton, Ohio.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Damascus Bronze Co., Pittsburgh, Pa.
Elevator Supply and Repair Co., Hoboken, N. J.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Faries Mfg. Co., Decatur, Ill.
James Graham & Co., New Haven, Conn.
Harley Co., Springfield, Mass.
Hecla Iron Works, Brooklyn, N. Y.
Hemsher Metal Co., Brooklyn, N. Y.
James L. Howard & Co., Hartford, Conn.
Jenkins Mfg. Co., Bloomfield, N. J.
Keystone Bronze Co., Pittsburgh, Pa.
Love Brothers, Inc., Aurora, Ill.
Lumen Bearing Co., Buffalo, N. Y.
Manhattan Brass Co., New York.
Mesta Machine Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
National Valve and Mfg. Co., Pittsburgh, Pa.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
Turner & Seymour Mfg. Co., Torrington, Conn.

Castings, Car.

American Car and Foundry Co., New York.
Bass Foundry and Machine Co., Ft. Wayne, Ind.

Castings, Car—Cont.

Bayonne Steel Casting Co., Bayonne, N. J.
Damascus Bronze Co., Pittsburgh, Pa.
Detroit Steel Casting Co., Detroit, Mich.
Eastern Malleable Iron Co., Naugatuck, Conn.
Erie Car Works, Erie, Pa.
Gould Coupler Co., New York.
Gregg Co., Ltd., Hackensack, N. J.
McConway & Torley Co., Pittsburgh, Pa.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Malleable Castings Co., Cleveland, Ohio.
Rockford Malleable Iron Works, Rockford, Ill.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Castings, Carriage.

Eberhard Mfg. Co., Cleveland, Ohio.

Castings, Chilled.

(See Castings, Semi-Steel; also Rolls, Chilled.)

Castings, Composition Metal.

William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Damascus Bronze Co., Pittsburgh, Pa.
Doehler Die Casting Co., Brooklyn, N. Y.
Driver-Harris Wire Co., Harrison, N. J.
Electro Metallurgical Co., New York.
James Graham & Co., New Haven, Conn.
Jenkins Mfg. Co., Bloomfield, N. J.
More-Jones Brass and Metal Co., St. Louis, Mo.
Phosphor-Bronze Smelting Co., Philadelphia, Pa.

Castings, Copper.

Eynon-Evans Mfg. Co., Philadelphia, Pa.
James Graham & Co., New Haven, Conn.
Hemsher Metal Co., Brooklyn, N. Y.
Keystone Bronze Co., Pittsburgh, Pa.

Castings, Die.

Veeder Mfg. Co., Hartford, Conn.

Castings, Engineering.

Bayonne Steel Casting Co., Bayonne, N. J.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Detroit Steel Casting Co., Detroit, Mich.
Keystone Bronze Co., Pittsburgh, Pa.
Watts-Campbell Co., Newark, N. J.
West Side Foundry Co., Troy, N. Y.
West Steel Casting Co., Cleveland, Ohio.
Wheeling Steel Casting Co., Wheeling, W. Va.

Castings, German Silver.

Hemsher Metal Co., Brooklyn, N. Y.

Castings, Iron.

Acme Foundry Co., Cleveland, Ohio.
Akron Foundry Co., Akron, Ohio.
Allyne Ryan Foundry Co., Cleveland, O.
American Brake Shoe and Foundry Co., New York.
American Car and Foundry Co., New York.
American Foundry and Machine Co., Hamilton, Ohio.
American Skein and Foundry Co., Racine, Wis.
Atlantic Foundry Co., Akron, Ohio.
Barbour-Stockwell Co., Cambridge, Mass.
Oscar Barnett Foundry Co., Irvington, N. J.

Castings, Iron—Cont.

Birmingham Machine and Foundry Co., Birmingham, Ala.
Bowler Foundry Co., Cleveland, Ohio.
Buckeye Iron and Brass Works, Dayton, Ohio.
Capitol Foundry Co., Hartford, Conn.
Central Foundry Co., New York.
S. Cheney & Son, Manlius, N. Y.
James T. Clark Co., Newark, N. J.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
John Davenport Co., Stamford, Conn.
Davies & Thomas Co., Catasauqua, Pa.
Thomas Devlin Mfg. Co., Philadelphia, Pa.
East Iron and Machine Co., Lima, Ohio.
Eastern Malleable Iron Co., Naugatuck, Conn.
Benjamin Eastwood Co., Paterson, N. J.
Elevator Supply and Repair Co., Hoboken, N. J.
Federal Bridge and Structural Co., Waukesha, Wis.
Ferro Machine and Foundry Co., Cleveland, Ohio.
Forest City Foundry and Mfg. Co., Cleveland, Ohio.
Fuller Iron Works, Providence, R. I.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
Globe Malleable Iron and Steel Co., Syracuse, N. Y.
Golden's Foundry Machine Co., Columbus, Ga.
Green's Car Wheel Mfg. Co., St. Louis, Mo.
Hamilton Foundry and Machine Co., Hamilton, Ohio.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harrisburg Foundry and Machine Works, Harrisburg, Pa.
Hecla Iron Works, Brooklyn, N. Y.
Hill Clutch Co., Cleveland, Ohio.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Illinois Malleable Iron Co., Chicago, Ill.
Independent Foundry Co., Portland, Ore.
Inter-State Car Co., Indianapolis, Ind.
Interstate Foundry Co., Cleveland, Ohio.
Link-Belt Co., Chicago, Ill.
Love Brothers, Inc., Aurora, Ill.
Maher & Flockhart, Newark, N. J.
James McKinney & Son, Albany, N. Y.
Meeker's Union Foundry Corp., Norwalk, Conn.
Mesta Machine Co., Pittsburgh, Pa.
Metals Production Equipment Co., Springfield, Mass.
I. P. Morris Co., Philadelphia, Pa.
National Valve and Mfg. Co., Pittsburgh, Pa.
Palmers & DeMooy Foundry Co., Cleveland, Ohio.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Portsmouth Stove and Range Co., Portsmouth, Ohio.
Poughkeepsie Foundry and Machine Co., Poughkeepsie, N. Y.
Puget Sound Iron and Steel Works, Tacoma, Wash.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Seattle Car and Foundry Co., Seattle, Wash.
Smith & Caffrey Co., Syracuse, N. Y.

Castings, Iron—Cont.

Snead & Co., Iron Works, Jersey City, N. J.
Southard Robertson Co., New York.
Stroh Steel-Hardening Process Co., Pittsburgh, Pa.
A. L. Swett Iron Works, Medina, N. Y.
Taylor & Fenn Co., Hartford, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Vilter Mfg. Co., Milwaukee, Wis.
Warren Foundry and Machine Co., New York.
Watt Mining Car Wheel Co., Barnesville, Ohio.
West Side Foundry Co., Troy, N. Y.
Western Foundry Co., Chicago, Ill.
Wheeling Mold and Foundry Co., Wheeling, W. Va.
Wilcox, Crittenden & Co., Inc., Middletown Conn.

Castings, Locomotive.

Bass Foundry and Machine Co., Ft. Wayne, Ind.
Bayonne Steel Casting Co., Bayonne, N. J.
Damascus Bronze Co., Pittsburgh, Pa.
Detroit Steel Casting Co., Detroit, Mich.
Hunt-Spiller Mfg. Corp., South Boston, Mass.
McConway & Torley Co., Pittsburgh, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
Rockford Malleable Iron Works, Rockford, Ill.

Castings, Malleable Iron.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
American Brake Shoe and Foundry Co., New York.
Buhl Malleable Co., Detroit, Mich.
Chicago Railway Equipment Co., Chicago, Ill.
Chisholm-Moore Mfg. Co., Cleveland, Ohio.
H. W. Cooper Saddlery Hardware Mfg. Co., Moline, Ill.
Dayton Malleable Iron Co., Dayton, Ohio.
Thomas Devlin Mfg. Co., Philadelphia, Pa.
Eastern Malleable Iron Co., Naugatuck, Conn.
Eberhard Mfg. Co., Cleveland, Ohio.
Erie Malleable Iron Co., Erie, Pa.
Stanley G. Flagg & Co., Philadelphia, Pa.
Fort Pitt Malleable Iron Co., Pittsburgh, Pa.
Frazer & Jones Co., Syracuse, N. Y.
Globe Malleable Iron and Steel Co., Syracuse, N. Y.
Gould Coupler Co., New York.
Gregg Co., Ltd., Hackensack, N. J.
Illinois Malleable Iron Co., Chicago, Ill.
Jewell Steel and Malleable Co., Buffalo, N. Y.
Link-Belt Co., Chicago, Ill.
McConway & Torley Co., Pittsburgh, Pa.
McKinnon Dash Co., Buffalo, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Meeker Foundry Co., Newark, N. J.
Missouri Malleable Iron Co., East St. Louis, Ill.
National Malleable Castings Co., Cleveland, Ohio.
Northwestern Malleable Iron Co., Milwaukee, Wis.

Castings, Malleable Iron—Cont.

Pittsburgh Malleable Iron Co., Pittsburgh, Pa.
Rockford Malleable Iron Works, Rockford, Ill.
Syracuse Malleable Iron Works, Syracuse, N. Y.

Castings, Manganese.

Pettibone, Mulliken Co., Chicago, Ill.

Castings, Manganese-Bronze.

(See Bronze, Manganese.)

Castings, "Nichrome."

(See "Nichrome.")

Castings, Phosphor-Bronze.

(See Bronze, Phosphor.)

Castings, Railroad Track Equipment.

Bayonne Steel Casting Co., Bayonne, N. J.
National Malleable Castings Co., Cleveland, Ohio.
Rockford Malleable Iron Works, Rockford, Ill.

Castings, Semi-Steel.

Allyne Ryan Foundry Co., Cleveland, O.
Atlantic Foundry Co., Akron, Ohio.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Eastern Malleable Iron Co., Naugatuck, Conn.
Hill Clutch Co., Cleveland, Ohio.
Interstate Foundry Co., Cleveland, Ohio.
Mesta Machine Co., Pittsburgh, Pa.
I. P. Morris Co., Philadelphia, Pa.
West Steel Casting Co., Cleveland, Ohio.

Castings, Special Bronze.

(See Bronze, Special.)

Castings, Steel.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
Allegheny Steel Co., Pittsburgh, Pa.
American Steel Foundries, Chicago, Ill.
Bayonne Steel Casting Co., Bayonne, N. J.
Blackwood Steel Co., Springfield, Ohio.
Buhl Malleable Co., Detroit, Mich.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Steel Casting Co., Detroit, Mich.
Thomas Devlin Mfg. Co., Philadelphia, Pa.
Duquesne Steel Foundry Co., Pittsburgh, Pa.
Falk Co., Milwaukee, Wis.
Gould Coupler Co., New York.
Gregg Co., Ltd., Hackensack, N. J.
Jewell Steel and Malleable Co., Buffalo, N. Y.
Link-Belt Co., Chicago, Ill.
McConway & Torley Co., Pittsburgh, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Mesta Machine Co., Pittsburgh, Pa.
Michigan Steel Casting Co., Detroit, Mich.
National Malleable Castings Co., Cleveland, Ohio.
National Valve and Mfg. Co., Pittsburgh, Pa.
Otis Steel Co., Ltd., Cleveland, Ohio.
Penn Seaboard Steel Co., Philadelphia, Pa
Puget Sound Iron and Steel Works, Tacoma, Wash.
Riverside Steel Casting Co., Newark, N. J.
Stroh Steel-Hardening Process Co., Pittsburgh, Pa.

Castings, Steel—Cont.

United Engineering and Foundry Co., Pittsburgh, Pa.
West Steel Casting Co., Cleveland, Ohio.
Wheeling Mold and Foundry Co., Wheeling, W. Va.
Wheeling Steel Casting Co., Wheeling, W. Va.

Castings, Steel, Chrome.

Malleable Iron Fittings Co., Branford, Conn.

Castings, Steel, Nickel.

Malleable Iron Fittings Co., Branford, Conn.

Castings, Vanadium, Iron and Steel.

Capitol Foundry Co., Inc., Hartford, Conn.
Malleable Iron Fittings Co., Branford, Conn.

Catalog Makers.

(See Printers.)

Ceiling, Metal.

Berger Mfg. Co., Canton, Ohio.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Edwards Mfg. Co., Cincinnati, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.
Milwaukee Corrugating Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, Ohio.
St. Paul Roofing, Cornice and Ornament Co., St. Paul, Minn.
Whitaker-Glessner Co., Wheeling, W. Va.

Ceiling, Wood.

Louis Bossert & Son, Brooklyn, N. Y.
Johnson Brothers, Brooklyn, N. Y.
St. Paul and Tacoma Lumber Co., Tacoma, Wash.

Celluloid.

Arlington Co., New York.
Fiberloid Co., Indian Orchard, Mass.

Cement, Boiler.

Smooth-On Mfg. Co., Jersey City, N. J.

Cement, Furnace and Stove.

Pecora Paint Co., Philadelphia, Pa.
Smooth-On Mfg. Co., Jersey City, N. J.

Cement, Hydraulic.

Sandusky Cement Co., Cleveland, Ohio.

Cement, Iron and Steel.

Pecora Paint Co., Philadelphia, Pa.
Smooth-On Mfg. Co., Jersey City, N. J.

Cement, Leather Belt.

Bradford Belting Co., Cincinnati, Ohio.
Graton & Knight Mfg. Co., Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Edward R. Ladew Co., Inc., Glen Cove, Long Island, N. Y.

Cement, Portland.

Alpha Portland Cement Co., Easton, Pa.
Ash Grove Lime and Portland Cement Co., Kansas City, Mo.
Atlas Portland Cement Co., New York.
Chicago Portland Cement Co., Chicago, Ill.
Henry Cowell Lime and Cement Co., San Francisco, Cal.
Samuel H. French & Co., Philadelphia, Pa.

Cement, Portland—Cont.

German-American Portland Cement Works, La Salle, Ill.
Kosmos Portland Cement Co., Inc., Kosmosdale, Ky.
Louisville Cement Co., Louisville, Ky.
Northwestern States Portland Cement Co., Mason City, Iowa.
Riverside Portland Cement Co., San Francisco, Cal.
Sandusky Cement Co., Cleveland, Ohio.
Superior Portland Cement Co., Seattle, Wash.
Tidewater Portland Cement Co., Baltimore, Md.
Vulcanite Portland Cement Co., Philadelphia, Pa.
Whitehall Cement Mfg. Co., Philadelphia, Pa.

Cement, Roofing.

Allentown Mfg. Co., Allentown, Pa.
Philip Carey Mfg. Co., Lockland, Ohio.
Certain-teed Products Corp., St. Louis, Mo.
Estate of J. G. Hetzel, Newark, N. J.
H. W. Johns-Manville Co., New York.
Pecora Paint Co., Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, Ohio.

Cement, Rubber.

Endurance Tire and Rubber Co., New York.
B. F. Goodrich Co., Akron, Ohio.

Cement, Silversmiths'.

American Oil and Supply Co., Newark, N. J.

Cereals, Prepared.

Albers Brothers Milling Co., Portland, Ore.
Cream of Wheat Co., Minneapolis, Minn.
Pillsbury Flour Mills Co., Minneapolis, Minn.
Postum Cereal Co., Ltd., Battle Creek, Mich.
Quaker Oats Co., Chicago, Ill.
Shredded Wheat Co., Niagara Falls, N. Y.
Sperry Flour Co., San Francisco, Cal.

Chafing Dishes.

(See Hollow-ware, etc.)

Chain, Jack and Safety.

American Chain Co., Inc., Bridgeport, Conn.
Corbin Screw Corp., New Britain, Conn.
Andrew B. Hendryx Co., New Haven, Conn.
Mattatuck Mfg. Co., Waterbury, Conn.
Plume & Atwood Mfg. Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Chain Parts.

Eberhard Mfg. Co., Cleveland, Ohio.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Scranton Forging Co., Scranton, Pa.
Transue & Williams Co., Alliance, Ohio.

Chains.

American Chain Co., Inc., Bridgeport, Conn.
Baldwin Chain and Mfg. Co., Worcester, Mass.
Bridgeport Chain Co., Bridgeport, Conn.

Chains—Cont.

Covert Mfg. Co., Troy, N. Y.
Diamond Chain and Mfg. Co., Indianapolis, Ind.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
James McKay Co., Pittsburgh, Pa.
McKinnon Dash Co., Buffalo, N. Y.
Whitney Mfg. Co., Hartford, Conn.

Chains, Automobile.

American Chain Co., Inc., Bridgeport, Conn.
Diamond Chain and Mfg. Co., Indianapolis, Ind.
Link-Belt Co., Chicago, Ill.
Rowe Calk Co., Hartford, Conn.
Whitney Mfg. Co., Hartford, Conn.

Chains, Bicycle.

(See Chains, Sprocket.)

Chains, Gold and Platinum.

Bassett Jewelry Co., Providence, R. I.
Carter, Gough & Co., Newark, N. J.
W. C. Edge Jewelry Co., Newark, N. J.
Theodore W. Foster & Bro. Co., Providence, R. I.
Jung & Klitz, New York.
R. F. Simmons Co., Attleboro, Mass.
E. L. Spencer Co., Inc., Providence, R. I.
William H Taylor & Co., Newark, N. J.

Chains, Gold-Filled and Plated.

Bassett Jewelry Co., Providence, R. I.
Theodore W. Foster & Bro. Co., Providence, R. I.
R. F. Simmons Co., Attleboro, Mass.

Chains, Sprocket.

American Chain Co., Inc., Bridgeport, Conn.
Baldwin Chain and Mfg. Co., Worcester, Mass.
Diamond Chain and Mfg. Co., Indianapolis, Ind.
Duckworth Chain and Mfg. Co., Springfield, Mass.
Andrew B. Hendryx Co., New Haven, Conn.
Link-Belt Co., Chicago, Ill.
James McKay Co., Pittsburgh, Pa.
Medart Patent Pulley Co., St. Louis, Mo.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Whitney Mfg. Co., Hartford Conn.

Chains, Tire.

American Chain Co., Inc., Bridgeport, Conn.
Rowe Calk Co., Hartford, Conn.

Chains, Wire.

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Andrew B. Hendryx Co., New Haven, Conn.
Plume & Atwood Mfg. Co., New York.
Turner & Seymour Mfg. Co., Torrington, Conn.

Chair Seats, Fibre.

Diamond State Fibre Co., Bridgeport, Conn.

Chairs.

A. H. Andrews Co., Chicago, Ill.
Barnard & Simonds Co., Inc., Rochester, N. Y.

Chairs—Cont.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Buckstaff Co., Oshkosh, Wis.
Conant Ball Co., Boston, Mass.
Crocker Chair Co., Sheboygan, Wis.
Hubbard, Eldredge & Miller, Rochester, N. Y.
Jamestown Lounge Co., Jamestown, N. Y.
S. Karpen & Bros., Chicago, Ill.
Langslow-Fowler Co., Rochester, N. Y.
Larkin Co., Buffalo, N. Y.
Mayhew Co., Milwaukee, Wis.
Michigan Chair Co., Grand Rapids, Mich.
Milne Chair Co., Chattanooga, Tenn.
Murphy Chair Co., Detroit, Mich.
New Orleans Furniture Mfg. Co., New Orleans, La.
Northern Furniture Co., Sheboygan, Wis.
Phoenix Chair Co., Sheboygan, Wis.
Sheboygan Chair Co., Sheboygan, Wis.
Skandia Furniture Co., Rockford, Ill.
Sligh Furniture Co., Grand Rapids, Mich.
Webster Mfg. Co., Superior, Wis.

Chairs, Assembly.
New Jersey School-Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., North Manchester, Ind.

Chairs, Barbers'.
Koken Barbers' Supply Co., St. Louis, Mo.

Chairs, Dental.
Consolidated Dental Mfg. Co., New York.
Ritter Dental Mfg. Co., Rochester, N. Y.

Chairs, Folding.
American Seating Co., Chicago, Ill.
A. H. Andrews Co., Chicago, Ill.
McKinnon Dash Co., Buffalo, N. Y.
Peabody School Furniture Co., North Manchester, Ind.
Phœnix Chair Co., Sheboygan, Wis.
Simmons Co., Kenosha, Wis.

Chairs, Invalid.
Gendron Wheel Co., Toledo, Ohio.

Chairs, Metal.
A. H. Andrews Co., Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
Toledo Metal Furniture Co., Toledo, Ohio.

Chairs, Morris.
Langslow-Fowler Co., Rochester, N. Y.
Phœnix Chair Co., Sheboygan, Wis.

Chairs, Railway Car.
(See Car Seats.)

Chairs, Theatre.
American Seating Co., Chicago, Ill.
A. H. Andrews Co., Chicago, Ill.
New Jersey School-Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., North Manchester, Ind.
E. H. Stafford Mfg. Co., Chicago, Ill.

Chairs, Typewriter.
Toledo Metal Furniture Co., Toledo, Ohio.

Chandeliers.
Faries Mfg. Co., Decatur, Ill.

Charcoal.
Barclay Chemical Co., Williamsport, Pa.
Binney & Smith Co., New York.
Heinemann Chemical Co., Olean, N. Y.
Lackawanna Chemical Co., Olean, N. Y.
Merck & Co., New York.
Pensacola Tar and Turpentine Co, Gull Point, Fla.

Charts and Maps.
(See Maps.)

Check Protector.
G. W. Todd & Co., Rochester, N. Y.

Check Writer.
G. W. Todd & Co., Rochester, N. Y.

Checks.
G. W. Todd & Co., Rochester, N. Y.

Checks, Baggage.
American Tag Co., Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.

Checks, Door.
P. & F. Corbin, New Britain, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New York.
Worcester Shock Absorber Co., Worcester, Mass.
Yale & Towne Mfg. Co., New York.

Chemicals.
Albany Chemical Co., Albany, N. Y.
American Synthetic Color Co., Stamford, Conn.
Ault & Wiborg Co., Cincinnati, Ohio.
J. T. Baker Chemical Co., Phillipsburg, N. J.
Berlin Aniline Work, New York.
Henry Bower Chemical Mfg. Co., Philadelphia, Pa.
Bristol-Myers Co., Brooklyn, N. Y.
Bull's Ferry Chemical Co., New York.
L. R. Burch & Co., New York.
Butterworth-Judson Co., New York.
Calco Chemical Co., Bound Brook, N. J.
Martin Dennis Co., Newark, N. J.
Dodge & Olcott Co., New York.
Eimer & Amend, New York.
General Chemical Co., New York.
Goldschmidt Detinning Co., New York.
Grasselli Chemical Co., New York.
G. F. Harvey Co., Saratoga Springs, N. Y.
Herman & Herman, Inc., New York.
Hooker Electrochemical Co., New York.
International Agricultural Corp., New York.
Jamaica Dyewood and Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Kalle Color and Chemical Co., New York.
Lackawanna Chemical Co., Olean, N. Y.
Madero Bros., Inc., New York.
Magnus, Mabee & Reynard, Inc., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Marden, Orth & Hastings Co., New York.
Merck & Co., New York.
Herman A. Metz & Co., New York.
Michigan Alkali Co., Detroit, Mich.
Mutual Chemical Co. of America, New York.

Chemicals—Cont.

Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.
Primos Chemical Co., Primos, Pa.
Republic Products Co., New York.
Roessler & Hasslacher Chemical Co., New York.
Rumford Chemical Works, Providence, R. I.
Schieffelin & Co., New York.
Sherwin-Williams Co., Cleveland, Ohio.
Solvay Process Co., Syracuse, N. Y.
E. R. Squibb & Sons, New York.
Standard Aniline Products, Inc., New York.
Tartar Chemical Co., New York.
Toch Brothers, New York.
Van Dyk & Co., Inc., New York.
Virginia-Carolina Chemical Mfg. Co., Richmond, Va.
Western Chemical Mfg. Co., Denver, Colo.
John C. Wiarda & Co., Brooklyn, N. Y.

Chemicals for Dye Works.

(See Dyeing Materials.)

Chemists' and Assayers' Supplies.

Baker & Co., Inc., Newark, N. J.
J. T. Baker Chemical Co., Phillipsburg, N. J.
Buffalo Foundry and Machine Co, Buffalo, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Corning Glass Works, Corning, N. Y.
Davol Rubber Co., Providence, R. I.
Eimer & Amend, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Norton Co., Worcester, Mass.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Robinson Clay Products Co. of New York, Akron, Ohio.
Roessler & Hasslacher Chemical Co., New York.
Stevens Bros., New York.
Traylor Engineering and Mfg. Co., Allentown, Pa.
W. S. Tyler Co., Cleveland, Ohio.
Whitall Tatum Co., New York.

Chimneys, Lamp.

Corning Glass Works, Corning, N. Y.
Gill Brothers Co., Steubenville, Ohio.
Lippincott Glass Co., Cincinnati, Ohio.
Macbeth-Evans Glass Co., Pittsburgh, Pa.

Chinaware.

Maddock Pottery Co., Trenton, N. J.
Onondaga Pottery Co., Syracuse, N. Y.

Chips, Playing.

(See also Novelties, Celluloid.)
United States Playing Card Co., Cincinnati, Ohio.

Chisels.

Billings & Spencer Co., Hartford, Conn.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Kraeuter & Co., Inc., Newark, N. J.
H. Mueller Mfg. Co., Decatur, Ill.
Fayette R Plumb., Inc., Philadelphia, Pa.

Chisels—Cont.

Sargent & Co., New York.
L. A. Sayre Co., Newark N J.
James Swan Co., Seymour, Conn.
Transue & Williams Co., Alliance, Ohio.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., Cleveland, Ohio.

Chloride, Lime.

(See Powder, Bleaching.)

Chloroform.

Albany Chemical Co., Albany, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Roessler & Hasslacher Chemical Co., New York.

Chocolates.

D. Auerbach & Sons, New York.
Frank E. Block & Co., Atlanta, Ga.
Bunte Bros., Chicago, Ill.
Dolly Varden Chocolate Co., Cincinnati, O.
H. D. Foss & Co., Inc., Boston, Mass.
E. Greenfield's Sons, New York.
Henry Heide, New York.
Huyler's, New York.
Knickerbocker Chocolate Co., New York.
Walter M. Lowney Co., Boston, Mass.
New England Confectionery Co., Boston, Mass.
Quaker City Chocolate and Confectionery Co., Philadelphia, Pa.
Rockwood & Co., Brooklyn, N. Y.
Rueckheim Bros. & Eckstein, Chicago, Ill.
Samoset Chocolates Co., Boston, Mass.
W. F. Schrafft & Sons Corp., Boston, Mass.
Stollwerck Bros., Inc., Stamford, Conn.
W. & H. Walker, Pittsburgh, Pa.
Wallace & Co., Brooklyn, N. Y.
Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
H. O. Wilbur & Sons, Philadelphia, Pa.

Choppers, Food.

(See also Cutters, Meat.)
John Chatillon & Sons, Inc., New York.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Rusell & Erwin Mfg. Co., New Britain, Conn.
N. R. Streeter & Co., Rochester, N. Y.

Chrome.

Merck & Co., New York.

Chucks, Drill.

Clark Equipment Co., Buchanan, Mich.
Cleveland Twist Drill Co., Cleveland, Ohio.
Cushman Chuck Co., Hartford, Conn.
Detroit Twist Drill Co., Detroit, Mich.
Gisholt Machine Co., Madison, Wis.
E. Horton & Son Co., Windsor Locks, Conn.
Jacobs Mfg. Co., Hartford, Conn.
Millers Falls Co., Millers Falls, Mass.
Morse Twist Drill and Machine Co., New Bedford, Mass.
Narragansett Machine Co., Providence, R. I.
National Twist Drill and Tool Co., Detroit, Mich.
Potter & Johnston Machine Co., Pawtucket, R. I.
Skinner Chuck Co., New Britain, Conn.
Standard Tool Co., Cleveland, O.

Chucks, Drill—Cont.
Trump Bros. Machine Co., Wilmington, Del.
Union Mfg. Co., New Britain, Conn.
Weaver Mfg. Co., Springfield, Ill.
Whitney Mfg. Co., Hartford, Conn.

Chucks, Lathe.
Cushman Chuck Co., Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Morse Twist Drill and Machine Co., New Bedford, Mass.
Potter & Johnston Machine Co., Pawtucket, R. I.
Ritter Dental Mfg. Co., Rochester, N. Y.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co., New Britain, Conn.

Chucks, Magnetic.
D & W Fuse Co., Providence, R. I.

Chucks, Planer.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co., New Britain, Conn.

Churns.
J. G. Cherry Co., Cedar Rapids, Iowa.
Richmond Cedar Works, Richmond, Va.

Cigar Lighters, Electric.
Interstate Electric Novelty Co., Brooklyn, N. Y.

Cigarette Tips.
Boucher Cork and Machine Co., Inc., New York.

Cigarettes.
I. Lewis Cigar Mfg. Co., Newark, N. J.
Philip Morris & Co., Ltd., New York.

Cigars.
R. A. Bachia & Co., New York.
Cayey-Caguas Tobacco Co., New York.
Deisel-Wemmer Co., Lima, Ohio.
Otto Eisenlohr & Bros., Philadelphia, Pa.
H. Fendrich, Evansville, Ind.
General Cigar Co., New York.
Hart & Murphy, St. Paul, Minn.
Hull, Grummond & Co., Inc., Binghamton, N. Y.
Frank P. Lewis Cigar Co. Peoria, Ill.
I. Lewis Cigar Mfg. Co., Newark, N. J.
Y. Pendas & Alvarez, New York.
Union-American Cigar Co., Pittsburgh, Pa.
George W. Van Slyke & Horton, Albany, N. Y.

Circuit Breakers.
Chase-Shawmut Co., Newburyport, Mass.
Cutter Electrical and Mfg. Co., Philadelphia, Pa.
D & W Fuse Co., Providence, R. I.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Manhattan Electrical Supply Co., New York.
Sangamo Electric Co., Springfield, Ill.
Trumbull Electric Mfg. Co., Plainville, Conn.
Weber Electric Co., Schenectady, N. Y.

Clamps.
American Iron and Steel Mfg. Co., Lebanon, Pa.

Clamps—Cont.
American Wood Working Machinery Co., Rochester, N. Y.
Chase-Shawmut Co., Newburyport, Mass.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Charles D. Durkee & Co., New York.
Eberhard Mfg. Co., Cleveland, Ohio.
H. Mueller Mfg. Co., Decatur, Ill.
Sandusky Tool Co., Sandusky, Ohio.
L. S. Starrett Co., Athol, Mass.
H. G. Vogel Co., New York.

Clamps, Boiler.
Glasgow Iron Co., Pottstown, Pa.
Transue & Williams Co., Alliance, Ohio.

Clamps, Hose.
Globe Machine and Stamping Co., Cleveland, Ohio.

Clamps, Wire Rope.
Thomas Laughlin Co., Portland, Me.

Clasps, Pail.
Cary Mfg. Co., Brooklyn, N. Y.

Clay, Fire, Pot and Other.
American Sewer Pipe Co., Akron, Ohio.
Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Hammill & Gillespie, New York.
McLain Fire Brick Co., Pittsburgh, Pa.
Robinson Clay Product Co. of New York, Akron, Ohio.
M. D. Valentine & Bro. Co., Woodbridge, N. J.

Clay Goods.
(See Pottery.)

Cleaners.
(See Vacuum Cleaning Appliances.)

Cleaners, Coffee.
Blymyer Iron Works Co., Cincinnati, Ohio.
Engelberg Huller Co., Syracuse, N. Y.
Huntley Mfg. Co., Silver Creek, N. Y.

Cleaners, Dry.
Merck & Co., New York.
Monroe Drug Co., Quincy, Ill.

Cleaners, Grain.
Barnard & Leas Mfg. Co., Moline, Ill.
Engelberg Huller Co., Syracuse, N. Y.
Huntley Mfg. Co., Silver Creek, N. Y.
Union Iron Works, Decatur, Ill.
Wolf Co., Chambersburg, Pa.

Cleaners, Sack.
Willsea Works, Rochester, N. Y.

Cleaners, Sink.
New York Stamping Co., Brooklyn, N. Y.

Cleavers.
John Chatillon & Sons, New York.
Evansville Tool Works, Evansville, Ind.

Clippers, Bolt.
H. K. Porter, Everett, Mass.

Clippers, Horse and Toilet.
Chicago Flexible Shaft Co., Chicago, Ill.
H. C. Cook Co., Ansonia, Conn.

Clips, Electric Cable.

Chase-Shawmut Co., Newburyport, Mass.
Mead-Morrison Mfg. Co., East Boston, Mass.

Clips, Paper.

Autoyre Co., Oakville, Conn.
Consolidated Safety Pin Co., Bloomfield, N. J.
H. C. Cook Co., Ansonia, Conn.
C. Howard Hunt Pen Co., Camden, N. J.

Clips, Wire Rope.

American Hoist and Derrick Co., St. Paul, Minn.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Lamson & Sessions Co., Cleveland, Ohio.
Thomas Laughlin Co., Portland, Me.

Cloakings.

F. A. Bochmann & Co., Inc., New York.
L. C. Chase & Co., Boston, Mass.
Colwell Worsted Mills, Providence, R. I.
Lebanon Mill Co., Pawtucket, R. I.
Lymansville Co., Providence, R. I.
Franz Merz, New York.
F. A. Patrick & Co., Duluth, Minn.
Peace Dale Mfg. Co., Peace Dale, R. I.
Portland Woolen Mills, Portland, Ore.
Roy Woolen Co., Watervliet, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Worcester Woolen Mill Co., Worcester, Mass.

Clock Parts.

Wm. L. Gilbert Clock Co., New York.
D. S. Plumb, Newark, N. J.

Clocks.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Wm. L. Gilbert Clock Co., New York.
E. Ingraham Co., Bristol, Conn.
Keyless Auto Clock Co., New York.
New Haven Clock Co., New Haven, Conn.
Charles Parker Co., Meriden, Conn.
Pennsylvania Rubber Co., Jeanette, Pa.
Sessions Clock Co., Forestville, Conn.
Waterbury Clock Co., Waterbury, Conn.

Clocks, Time Recording.

(See Registers, Time.

Clocks, Watchman's.

Newman Clock Co., New York.

Closets, Steel.

Richard W. Jefferis Co., Camden, N. J.

Cloth, Asbestos.

Philip Carey Mfg. Co., Lockland, Ohio.
Keasbey & Mattison Co., Ambler, Pa.

Cloth, Book.

Joseph Bancroft & Sons Co., Wilmington, Del.

Cloth, Cap.

Nixon, Walker & Tracy, New York.
Thomas H. Wilson, Inc., Philadelphia, Pa.

Cloth, Emery.

(See Emery Paper and Cloth.)

Cloth, Hair.

Geo. S. Cox & Bro., Inc., Philadelphia, Pa.

Cloth, Rainproof.

(See Cloth, Waterproof.)

Cloth, Rubber.

(See Rubber Cloth.)

Cloth, Rubber Backing.

A. G. Hyde & Sons, New York.
Lebanon Mill Co., Pawtucket, R. I.

Cloth, Shade.

(See Hollands, Window.)

Cloth, Terry.

W. H. & A. E. Margerison & Co., Philadelphia, Pa.
Ward-Meehan Co., Philadelphia, Pa.

Cloth for Uniforms.

Forstmann & Huffmann Co., Passaic, N. J.
Lawrence & Co., Boston, Mass.
Thomas Oakes & Co., Bloomfield, N. J.
Peace Dale Mfg. Co., Peace Dale, R. I.
Worcester Woolen Mill Co, Worcester, Mass.

Cloth, Waterproof.

John Boyle & Co., Inc., New York.
Brighton Worsted Co., Philadelphia, Pa.
F. S. Carr Co., Boston, Mass.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Hodgman Rubber Co., Tuckahoe, N. Y.
Standard Oil Cloth Co., New York.
A. J. Tower Co., Boston, Mass.
United States Rubber Export Co., Ltd., New York.

Cloth, Wire.

(See Wire Cloth and Netting.)

Clothes Trees.

(See Costumers.)

Clothing, Children's.

Cohen & Lang, New York.
Gotham Novelty Co., New York.
O. L. Hinds Co., Burlington, Vt.
W. L. Leavy, Brooklyn, N. Y.
Rice Stix Dry Goods Co., St. Louis, Mo.
Snellenburg Clothing Co., Philadelphia, Pa.
E. J. Wile & Co., New York.
Wise Bros., Inc., Baltimore, Md.

Clothing, Duck.

Wheeler & Motter Mercantile Co, St. Joseph, Mo.
Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah.

Clothing, Horse.

(See also Blankets, Horse.)

L. C. Chase & Co., Boston, Mass.
I. E. Palmer Co., Middletown, Conn.
Perkins-Campbell Co., Cincinnati, Ohio.
Sanford Mills, Boston, Mass.
Smith-Worthington Co., Hartford, Conn.

Clothing, Mackinaw.

Thos. Kay Woolen Mill Co., Salem, Ore.
C. Kenyon Co., Brooklyn, N. Y.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co., Duluth Minn.
Pendleton Woolen Mills, Inc., Pendleton, Ore.
Portland Woolen Mills, Portland, Ore.
Sheuerman Bros., Inc., Des Moines, Iowa.

Clothing, Men's and Boys'.

David Adler & Sons Clothing Co., Milwaukee, Wis.
L. Adler Bros. & Co., Rochester, N. Y.
Bashwitz Bros. & Co., Inc., New York.
M. Born & Co., Chicago, Ill.
Cohen & Lang, New York
Curlee Clothing Co., Syracuse, N. Y.
Alfred Decker & Cohn, Chicago, Ill.
J. Eisner & Co., New York.
E. W. Emery Co., New York.
Sam Finkelstein & Co., New York.
Globe Tailoring Co., Cincinnati, Ohio.
S. Golde & Sons, New York.
L. Greif & Bro., Baltimore, Md.
Heidelberg-Wolff & Co., New York.
Joseph & Feiss Co., Cleveland, Ohio.
C. Kenyon Co., Brooklyn, N. Y.
Louis Kraemer & Co., Reading, Pa.
B. Kuppenheimer & Co., Chicago, Ill.
Light & Schlesinger, New York.
Michaels, Stern & Co., Rochester, N. Y.
F. A. Patrick & Co., Duluth, Minn.
John Patterson & Co., New York.
Rhodes & Ripley Clothing Co., Boston, Mass.
Rice Stix Dry Goods Co., St. Louis, Mo.
Richman Bros. Co., Cleveland, Ohio.
Riverside Tailoring Co., Cincinnati, Ohio.
L. Robinson & Co, New York.
H. A. Seinsheimer & Co, Cincinnati, Ohio.
Sheuerman Bros., Inc., Des Moines, Iowa.
Snellenburg Clothing Co., Philadelphia, Pa.
Stein-Bloch Co., Rochester, N. Y.
B. Stern & Son, New York.
Strouse & Bros., Baltimore, Md.
Wheeler & Motter Mercantile Co., St. Joseph, Mo.

Clothing, Rubber.

(See Clothing, Waterproof.)

Clothing, Waterproof.

B. F. Goodrich Co., Akron, Ohio.
A. J. Tower Co., Boston, Mass.

Clothing, Women's.

(See Costumes and Wraps, Women's.)

Clothing, Workingmen's.

Crown Overall Mfg. Co., Cincinnati, Ohio.
Lewis Meier & Co., Indianapolis, Ind.
Oppenheim, Oberndorf & Co., Inc., Baltimore, Md.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co, Duluth, Minn.
Reliance Mfg. Co., Chicago, Ill.
Rice Stix Dry Goods Co., St. Louis, Mo.
Wheeler & Motter Mercantile Co., St. Joseph, Mo.
Wise Bros., Inc., Baltimore, Md.
Zion's Co-operative Mercantile Co., Salt Lake City, Utah.

Clubs, Golf.

Crawford, McGregor & Canby Co., Dayton, Ohio.

Clubs, Indian.

John Sommer Faucet Co., Newark, N. J.

Clutches, Friction.

A. & F. Brown Co., New York.
Curtis & Marble Machine Co., Worcester, Mass.
Dodge Mfg. Co., Mishawaka, Ind.

Clutches, Friction—Cont.

Fairbanks, Morse & Co., Chicago, Ill.
Hill Clutch Co., Cleveland, Ohio.
Carlyle Johnson Machine Co., Manchester, Conn.
Lane Mfg. Co., Montpelier, Vt.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.
Moore & White Co., Philadelphia, Pa.
Pusey & Jones Co., Wilmington, Del.
Reeves Pulley Co., Columbus, Ind.
Standard Pulley Co., Cincinnati, Ohio.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Williams Foundry and Machine Co., Akron, Ohio.

Clutches, Reversing.

August Mietz Corp., New York.
Werner Gear Co., Muncie, Ind.

Coal, Anthracite.

W. Harry Brown, Pittsburgh, Pa.
Consumers Co., Chicago, Ill.
Knickerbocker Fuel Co., New York.
Milwaukee-Western Fuel Co., Milwaukee, Wis.
Thorne, Neale & Co., Inc., New York.

Coal, Bituminous.

Cambridge Collieries Co., Cleveland, Ohio.
Campbell's Creek Coal Co., Cincinnati, Ohio.
Central Coal and Coke Co., Kansas City, Mo.
Cherokee Fuel Co., Kansas City, Mo.
Consolidation Coal Co., Inc., New York.
Consumers Co., Chicago, Ill.
Drake Coal Co., Cleveland, Ohio.
Empire Coal and Coke Co., Landgraff, W. Va.
S. M. Hamilton Coal Co., Baltimore, Md.
M. A. Hanna & Co., Cleveland, Ohio.
Houston Coal Co., Cincinnati, Ohio.
Jamison Coal and Coke Co., Pittsburgh, Pa.
Jefferson Coal Co., Cleveland, Ohio.
Knickerbocker Fuel Co., New York.
Logan Coal Co., Philadelphia, Pa.
Maryland Coal Co. of W. Va., New York.
Milwaukee-Western Fuel Co., Milwaukee, Wis.
Morris-Poston Coal Co., Cleveland, Ohio.
National Fuel Co., Pittsburgh, Pa.
Pittsburgh & Ohio Mining Co., Cleveland, Ohio.
Pocahontas Fuel Co., New York.
Pratt Consolidated Coal Co., Birmingham, Ala.
Rail and River Coal Co., Cleveland, Ohio.
Reilly-Peabody Fuel Co., Pittsburgh, Pa.
C. Reiss Coal Co., Sheboygan, Wis.
Roslyn Fuel Co., Seattle, Wash.
Skeele Coal Co., New York.
Stonega Coke and Coal Co., Inc., Philadelphia, Pa.
Thorne, Neale Co., Inc., New York.
Valley Camp Coal Co., Cleveland, Ohio.
Vandalia Coal Co., Terre Haute, Ind.
W. H. Warner & Co., Cleveland, Ohio.
Watkins Coal Co., New York.
Youghiegheny & Ohio Coal Co., Cleveland, Ohio.

Coal (Pulverized) Burning Equipment.

Bonnot Co., Canton, Ohio.
Metals Production Co., Springfield, Mass.

Coal, Gas.

Consolidation Coal Co., Inc., New York.
Houston Coal Co., Cincinnati, Ohio.
Jefferson Coal Co., Cleveland, Ohio.
National Fuel Co., Pittsburgh, Pa.
Pratt Consolidated Coal Co., Birmingham, Ala.
Reilly-Peabody Fuel Co., Pittsburgh, Pa.
Stonega Coke and Coal Co., Philadelphia, Pa.
Virginia & Pittsburgh Coal and Coke Co., Fairmount, W. Va.
Westmoreland Coal Co., Philadelphia, Pa.

Coal Tar.

Barrett Co., New York.
Certain-teed Products Co., St. Louis, Mo.
New Haven Gas Light Co., New Haven, Conn.
Woodward Iron Co., Woodward, Ala.

Coal Tar Products.

American Synthetic Color Co., Stamford, Conn.
Barrett Co., New York.
Berlin Aniline Works, New York.
Calco Chemical Co., Bound Brook, N. J.
Certain-teed Products Co., St. Louis, Mo.
Geisenheimer & Co., New York.
Marden, Orth & Hastings Co., Inc., New York.
Merck & Co., New York.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Aniline Products, Inc., New York.
Youngstown Sheet and Tube Co., Youngstown, Ohio.
Zenith Furnace Co., West Duluth, Minn.

Coatings, Wall.

Alabastine Co., Grand Rapids, Mich.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Coats, Fur.

(See Furs.)

Coats, Men's.

L. Adler Bros. & Co., Rochester, N. Y.
J. Eisner & Co., New York.
Sam Finkelstein & Co., New York.
Heidelberg-Wolff & Co., New York.
C. Kenyon Co., Brooklyn, N. Y.
Michaels, Stern & Co., Rochester, N. Y.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co., Duluth, Minn.
Sheuerman Bros., Inc., Des Moines, Iowa.

Coats, Rain.

Heidelberg-Wolff & Co., New York.
C. Kenyon Co., Brooklyn, N. Y.

Coats, Women's.

(See Costumes and Wraps, Women's.)

Cocaine.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Cocks, Air.

American Injector Co., Detroit, Mich.
Chapman Valve Mfg. Co., Indian Orchard, Mass.

Cocks, Air—Cont.

Detroit Lubricator Co., Detroit, Mich.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.

Cocks, Gauge.

American Injector Co., Detroit, Mich.
American Steam Gauge and Valve Co., Boston, Mass.
Chaplin-Fulton Mfg. Co., Pittsburgh Pa.
Detroit Lubricator Co., Detroit, Mich.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Brothers, New York.
Judson Governor Co., Rochester, N. Y.
Lunkenheimer Co., Cincinnati, Ohio.
Nathan Mfg. Co., New York.
William Powell Co. Cincinnati, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.

Cocks, Steam, Gas and Water.

(See Fittings, Steam, Gas and Water.)

Cocoa.

D. Auerbach & Sons, New York.
Bunte Brothers, Chicago, Ill.
Huyler's, New York.
Knickerbocker Chocolate Co., New York.
Walter M. Lowney Co., Boston, Mass.
Charles H. Phillips Chemical Co., New York.
Rockwood & Co., Brooklyn, N. Y.
W. F. Schrafft & Sons Corp., Boston, Mass.
Stollwerck Brothers Co., Stamford, Conn.
W. & H. Walker, Pittsburgh, Pa.
Shephen F. Whitman & Son, Inc., Philadelphia, Pa.
H. O. Wilbur & Sons, Philadelphia, Pa.

Codeine.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Coffee.

Arbuckle Brothers, New York.
B. Fischer & Co., New York.
Henry Nordlinger & Co., New York.
Woolsen Spice Co., Toledo, Ohio.

Coffee Substitutes.

Monroe Drug Co., Quincy, Ill.
Postum Cereal Co., Ltd., Battle Creek, Mich.
Wm. Rahr Sons' Co. Manitowoc, Wis.

Coffin Trimmings.

(See Trimmings, Carriage and Casket.)

Coffins and Caskets.

Buckstaff Co., Oshkosh, Wis.
Crane & Breed Mfg. Co., Cincinnati, Ohio.
National Casket Co., Long Island City, N. Y.

Coin Handling Apparatus.

Gaynor Mfg. Co., Bridgeport, Conn.

Coin Storage Trays.

The Lamson Co., Boston, Mass.

Coke.

Atlantic Refining Co., Philadelphia, Pa.
W. Harry Brown, Pittsburgh, Pa.
Consolidation Coal Co., Inc., New York.
Empire Coal and Coke Co. Landgraff, W. Va.

Coke—Cont.

S. M. Hamilton Coal Co., Baltimore, Md.
M. A. Hanna & Co., Cleveland, Ohio.
Jamison Coal and Coke Co., Pittsburgh, Pa.
National Fuel Co., Pittsburgh, Pa.
New Haven Gas Light Co., New Haven, Conn.
Pittsburgh & Ohio Mining Co., Cleveland, Ohio.
Pocahontas Fuel Co., New York.
Pratt Consolidated Coal Co., Birmingham, Ala.
Rogers, Brown & Co., Cincinnati, Ohio.
Sloss-Sheffield Steel and Iron Co., Birmingham, Ala.
Stewart Iron Co., Ltd., Sharon, Pa.
Stonega Coke and Coal Co., Inc., Philadelphia, Pa.
Tidewater Oil Co., New York.
Virginia & Pittsburgh Coal and Coke Co., Fairmount, W. Va.
Woodward Iron Co., Woodward, Ala.
Youngstown Sheet and Tube Co., Youngstown, Ohio.
Zenith Furnace Co., West Duluth, Minn.

Coke, Metallurgical.

Reilly-Peabody Fuel Co., Pittsburgh, Pa.

Coke Ovens.

(See Machinery, Coke Oven.)

Coke, Petroleum.

Paragon Refining Co., Toledo, Ohio.

Collars and Cuffs, Celluloid.

Arlington Co., New York.
Fiberloid Co., Indian Orchard, Mass.

Collars, Horse.

Atchison Saddlery Co., Atchison, Kans.
Cottrell Saddlery Co., Richmond, Va.
Dodson, Fisher, Brockmann Co., Minneapolis, Minn.
Harbison & Gathright, Louisville, Ky.
Marshall-Wells Hardware Co., Duluth, Minn.
Perkins-Campbell Co., Cincinnati, Ohio.
Smith-Worthington Co., Hartford, Conn.

Collars, Linen.

Cluett, Peabody & Co., Troy, N. Y.
Earl & Wilson, Troy, N. Y.
Hall, Hartwell & Co. Troy N. Y.
Geo. P. Ide & Co. Troy, N. Y.
United Shirt and Collar Co., Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.

Colognes.

Daggett & Ramsdell, New York.

Colors, Artists'.

Kroma Color Co., Sandusky, Ohio.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Colors, Ceramic.

Roessler & Hasslacher Chemical Co. New York.

Colors, Dry.

Allentown Mfg. Co., Allentown, Pa.
Ault & Wiborg Co., Cincinnati, Ohio.
Binney & Smith Co., New York.
Eagle-Picher Lead Co., New York.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Geisenheimer & Co., New York.
Heller & Merz Co., New York.

Colors, Dry—Cont.

H. Kohnstamm & Co., New York.
Kroma Color Co., Sandusky, Ohio.
John Lucas & Co., Inc., Philadelphia, Pa.
Herman A. Metz & Co., New York.
Patton Paint Co., Milwaukee, Wis.
Sherwin-Williams Co., Cleveland, Ohio.
Toch Brothers, New York.
C. K. Williams & Co., Easton, Pa.

Colors, Mortar.

Pecora Paint Co., Philadelphia, Pa.

Colors, Oil.

(See Paints and Colors.)

Columns, Iron.

Davies & Thomas Co., Catasauqua, Pa.

Columns, Wood.

Curtis, Towle & Paine Co., Lincoln, Neb.
Hammond Lumber Co., San Francisco, Cal.
Huttig Sash and Door Co., St. Louis, Mo.
John F. Wilcox Co., Minneapolis, Minn.

Combs, Celluloid.

Arlington Co., New York.
Fiberloid Co., Indian Orchard, Mass.

Combs, Rubber.

American Hard Rubber Co., New York.
Vulcanized Rubber Co., New York.

Comfortables, Cotton, Wool, Etc.

(See Quilts, Cotton, Wool, etc.)

Commodes.

Doernbecher Mfg. Co., Portland, Ore.
Peter Klerner, New Albany, Ind.
Northern Furniture Co., Sheboygan, Wis.
Udell Works Inc., Indianapolis, Ind.

Commutator Bars.

(See Bars, Commutator.)

Commutators.

Cameron Electrical Mfg. Co., Inc., Ansonia, Conn.

Compasses.

Charles D. Durkee & Co., New York.
W. & L. E. Gurley, Troy, N. Y.
Thomas Laughlin Co., Portland, Me.
Taylor Instrument Companies, Rochester, N. Y.

Compo-Board.

Compo-Board Co., Minneapolis, Minn.

Compressors, Acetylene.

Davis-Bournonville Co., New York.
Norwalk Iron Works Co., South Norwalk, Conn.
Worthington Pump and Machinery Corp., New York.

Compressors, Air.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Thomas H. Dallett Co., Philadelphia, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
C. A. Lawton Co., De Pere, Wis.
Mesta Machine Co., Pittsburgh, Pa.
August Mietz Corp., New York.
Nash Engineering Co., South Norwalk, Conn.
Nordberg Mfg. Co., Milwaukee, Wis.
Norwalk Iron Works Co., South Norwalk, Conn.

Compressors, Air—Cont.

Spang & Co., Butler, Pa.
Tranter Mfg. Co., Pittsburgh, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Weiss Engine Co., New York.
Westinghouse Air Brake Co., Pittsburgh, Pa.
Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Compressors, Ammonia.

Triumph Electric Co., Cincinnati, Ohio.
Vilter Mfg. Co., Milwaukee, Wis.
Worthington Pump and Machinery Corp., New York.

Compressors, Gas.

Bishop-Babcock-Becker Co., Cleveland, O.
Fairbanks, Morse & Co., Chicago, Ill.
Gray-Hawley Mfg. Co., Detroit, Mich.
Hooven, Owens, Rentschler Co. Hamilton, Ohio.
Mesta Machine Co., Pittsburgh, Pa.
Norwalk Iron Works Co., South Norwalk, Conn.
Spang & Co., Butler, Pa.
Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Concentrators, Ammonia.

(See Machinery, Gas Works.)

Concentrators, Ore.

Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Union Iron Works, Spokane, Wash.
Worthington Pump and Machinery Corp., New York.

Concrete Facing.

Pittsburgh Crushed Steel Co., Pittsburgh, Pa.

Concrete Forms.

Blaw Steel Construction Co., Pittsburgh, Pa.
Hydraulic Pressed Steel Co., Cleveland, Ohio.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Concrete Inserts.

Dayton Malleable Iron Co., Dayton, Ohio.
J. Edward Ogden Co., New York.
Trussed Concrete Steel Co., Youngstown, Ohio.
H. G. Vogel Co., New York.

Concrete Reinforcing Materials.

Berger Mfg. Co., Canton, Ohio.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Buffalo Steel Co., Tonawanda, N. Y.
Chicago Railway Equipment Co., Chicago, Ill.
Colorado Fuel and Iron Co., Denver, Colo.
Davis Brothers, Philadelphia, Pa.
Edwards Mfg. Co., Cincinnati, Ohio.
Franklin Steel Works, Franklin, Pa.
Inland Steel Co., Chicago Ill.
Interstate Iron and Steel Co., Chicago, Ill.
Oliver Iron and Steel Co., Pittsburgh, Pa.
C. Pardee Works, Perth Amboy, N. J.
Southern California Iron and Steel Co., Los Angeles, Cal.
Sweet's Steel Co., Williamsport, Pa.
Trussed Concrete Steel Co., Youngstown, Ohio.

Concrete Mixers.

(See Mixers, Concrete.)

Condensers, Gas Works.

(See also Machinery, Gas Works.)

Schütte & Koerting Co., Philadelphia, Pa.
Western Gas Construction Co., Fort Wayne, Ind.

Condensers, Steam.

Alberger Pump and Condenser Co., New York.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bath Iron Works, Lfd., Bath, Me.
Buffalo Foundry and Machine Co., Buffalo, N. Y.
Connersville Blower Co., Connersville, Ind.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
W. & A. Fletcher, Hoboken, N. J.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Mesta Machine Co., Pittsburgh, Pa.
Nordberg Mfg. Co., Milwaukee, Wis.
Union Steam Pump Co., Battle Creek, Mich.
Vilter Mfg. Co., Milwaukee, Wis.
Westinghouse Machine Co., East Pittsburgh, Pa.
Worthington Pump and Machine Co., New York.

Condiments, Table.

(See Relishes.)

Conduits, Creosoted.

Pacific Creosoting Co., Seattle, Wash.

Conduits, Electrical.

American Conduit Mfg. Co., Pittsburgh, Pa.
Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Evens & Howard Fire Brick Co., St. Louis, Mo.
M. S. Little Mfg. Co., Hartford, Conn.
National Fire Proofing Co., Pittsburgh, Pa.
National Metal Molding Co., Pittsburgh, Pa.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Sprague Electrical Works of General Electric Co., New York.
Tubular Woven Fabric Co., Pawtucket, R. I.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Confectioners' Supplies.

G. A. Bisler, Inc., Philadelphia, Pa.
John Chattilon & Sons, Inc., New York.
Wm. M. Crane Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Henry Heide, New York.
H. Kohnstamm & Co., New York.
Metal Package Co., Brooklyn, N. Y.
E. Murdoch & Co., Winchendon, Mass.
National Licorice Co., Brooklyn, N. Y.
Rockwood & Co., Brooklyn, N. Y.
Weis & Lesh Mfg. Co., Muncie, Ind.
H. O. Wilbur & Sons, Inc., Philadelphia, Pa.

Confectionery.

D. Auerbach & Sons, New York.
Frank E. Block Co., Atlanta, Ga.
Bunte Brothers, Chicago, Ill.

Confectionery—Cont.

Doscher Brothers, Cincinnati, Ohio.
H. D. Foss & Co., Inc., Boston, Mass.
E. Greenfield's Sons, New York.
Henry Heide, New York.
H. L. Hildreth Co., Boston, Mass.
Huyler's, New York.
Johnson Biscuit Co., Sioux City, Ia.
Robert A. Johnston Co., Milwaukee, Wis.
Kibbe Brothers Co., Springfield, Mass.
Knickerbocker Chocolate Co., New York.
Walter M. Lowney Co., Boston, Mass.
William H. Luden, Reading, Pa.
Manufacturing Co. of America, Philadelphia, Pa.
New England Confectionery Co., Boston, Mass.
Quaker City Chocolate and Confectionery Co., Philadelphia, Pa.
Rueckheim Bros. & Eckstein, Chicago Ill.
Samoset Chocolates Co., Boston, Mass.
W. F. Schrafft & Sons Corp., Boston, Mass.
United Drug Co., Boston, Mass.
Wallace & Co., Brooklyn, N. Y.
Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
H. O. Wilbur & Sons, Philadelphia, Pa.

Constructors, Bridge.

Bates & Rogers Construction Co., Chicago, Ill.
Consolidated Engineering Co., Baltimore, Md.
Decatur Bridge Co., Decatur, Ill.
Degnon Contracting Co., New York.
Heddon Iron Construction Co., New York.
Indiana Bridge Co., Muncie, Ind.
Jobson-Gifford Co., New York.
Levgar Structural Co., New York.
Fred T. Ley & Co., Inc., Springfield, Mass.
Mount Vernon Bridge Co., Mt. Vernon, Ohio.
New England Structural Co., Boston, Mass.
Puget Sound Bridge and Dredging Co., Seattle, Wash.
Riverside Bridge Co., Martins Ferry, Ohio.
Lewis F. Shoemaker & Co., Philadelphia, Pa.
Union Iron Works of Los Angeles, Los Angeles, Cal.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Wisconsin Bridge and Iron Co., North Milwaukee, Wis.

Constructors, Building.

Austin Co., Chicago, Ill.
Barnett & Record Co., Minneapolis, Minn.
A. Bentley & Sons Co., Toledo, Ohio.
Consolidated Engineering Co., Baltimore, Md.
Decatur Bridge Co., Decatur, Ill.
East Iron and Machine Co., Lima, Ohio.
John Eichleay, Jr., Co., Pittsburgh, Pa.
John W. Ferguson Co., Paterson, N. J.
George A. Fuller Co., New York.
M. J. Gibbud Co., Inc., New Haven, Conn.
Hedden Iron Construction Co., New York.
Indiana Bridge Co., Muncie, Ind.
Jobson-Gifford Co., New York.
Kennedy & Peterson Construction Co., Boston, Mass.
Lawrence Steel Construction Co., Pittsburgh, Pa.
Levgar Structural Co., New York.
Mount Vernon Bridge Co., Mt. Vernon, Ohio.
New England Structural Co., Boston, Mass.

Constructors, Building—Cont.

Nicola Building Co., Pittsburgh, Pa.
Northwest Steel Co., Portland, Ore.
J. Edward Ogden Co., Inc., New York.
Pittsburgh Construction Co., Pittsburgh, Pa.
Riverside Bridge Co., Martins Ferry, Ohio.
Lewis F. Shoemaker & Co., Philadelphia, Pa.
John Thatcher & Son, Brooklyn, N. Y.
W. F. Trimble & Sons Co., Pittsburgh, Pa.
Union Iron Works of Los Angeles, Los Angeles, Cal.
Variety Iron and Steel Works Co., Cleveland, Ohio.
J. G. White & Co., New York.
Whitmore, Rauber & Vicinus, Inc., Rochester, N. Y.
A. & S. Wilson Co., Pittsburgh, Pa.
Wisconsin Bridge and Iron Co., North Milwaukee, Wis.

Constructors, Conduit, Underground.

G. M. Gest, New York.

Constructors, Dock, Harbor, Etc.

Barnett & Record Co., Minneapolis, Minn.
Degnon Contracting Co., New York.
Puget Sound Bridge and Dredging Co., Seattle, Wash.
Snare & Triest Co., New York.
James Stewart & Co., Inc., New York.
Wisconsin Bridge and Iron Co., North Milwaukee, Wis.

Constructors, Foundation.

Bates & Rogers Construction Co., Chicago, Ill.
Jonh Eichleay, Jr., Co., Pittsburgh, Pa.
Jobson-Gifford Co., New York.

Constructors, Grain, Elevator.

James Stewart & Co., Inc., New York.

Constructors, Hydro-Electric Plant.

Bates & Rogers Construction Co., Chicago, Ill.
J. G. White & Co., New York.

Constructors, Railroad.

Bates & Rogers Construction Co., Chicago, Ill.
Degnon Contracting Co., New York.
J. G. White & Co., New York.

Constructors, Sewer.

Consolidated Engineering Co., Baltimore, Md.

Constructors, Telephone System.

G. M. Gest, New York.

Constructors, Tunnel and Subway.

Consolidated Engineering Co., Baltimore, Md.
Degnon Contracting Co., New York.

Containers, Paper.

American Mono-Service Co., Newark, N. J.
Chicago Mill and Lumber Co., Chicago, Ill.

Contractors.

Booth & Flinn, Ltd., Pittsburgh, Pa.
John F. Casey Co., Pittsburgh, Pa.

Contractors, Dredging.

Puget Sound Bridge and Dredging Co., Seattle, Wash.
James Stewart & Co., Inc., New York.

Contractors, Piping.

American Pipe and Construction Co., Philadelphia, Pa.
National Valve and Mfg. Co., Pittsburgh, Pa.
Pittsburgh Valve, Foundry and Construction Co., Pittsburgh, Pa.

Contractors, Road.

Consolidated Engineering Co., Baltimore, Md.
Whitmore, Rauber & Vicinus, Inc., Rochester, N. Y.

Contractors' Supplies.

(See also Machinery, Contractors'; also Tools, Contractors'.)

American Steel Scraper Co., Sidney, Ohio.
Blaw Steel Construction Co., Pittsburgh, Pa.
Broderick & Bascom Rope Co., St. Louis, Mo.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Klein-Logan Co., Pittsburgh, Pa.
Lakewood Engineering Co., Cleveland, Ohio.
Littleford Brothers, Cincinnati, Ohio.
G. L. Stuebner Iron Works, Long Island City, N. Y.
Toledo Wheelbarrow Co., Toledo, Ohio.

Contractors, Water Works.

American Pipe and Construction Co., Philadelphia, Pa.
Consolidated Engineering Co., Baltimore, Md.
J. G. White & Co., New York.

Controllers, Electric.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Electric Controller and Mfg. Co., Cleveland, Ohio.
General Elevator Co., New York.

Controllers, Temperature.

American Gas Furnace Co., New York.
C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.

Converters, Steel.

Pennsylvania Engineering Works, New Castle, Pa.

Converters, Cotton Goods.

Bear Mill Mfg. Co., New York.
Friedman & Krieger, New York.
Naday & Fleischer, New York.
Reliance Mfg. Co., Chicago, Ill.

Conveyors, Cable and Belt.

C. O. Bartlett & Snow Co., Cleveland, Ohio.
Bonnot Co., Canton, Ohio.
Dow Wire and Iron Works, Louisville, Ky.
Fairbanks, Morse & Co., Chicago, Ill.
Hayward Co., New York.
Heyl & Patterson, Inc., Pittsburgh, Pa.
Jeffrey Mfg. Co., Columbus, Ohio.
Lamson Co., Boston, Mass.
Lidgerwood Mfg. Co., New York.

Conveyors, Cable and Belt—Cont.

Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., East Boston, Mass.
Meese & Gottfried Co., San Francisco, Cal.
Palmer-Bee Co., Detroit, Mich.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Traylor Engineering and Mfg. Co., Allentown, Pa.

Conveyors, Link Belt.

Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.

Conveyors, Mail Bag.

Lamson Co., Boston, Mass.
Link-Belt Co., Chicago, Ill.

Conveyors, Pneumatic.

Lamson Co., Boston, Mass.
B. F. Sturtevant Co., Boston, Mass.

Conveyors, Steel Spiral.

Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Otis Elevator Co., New York.

Cookers, Charcoal.

Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Cooking Apparatus, Electrical.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Francis Keil & Son, New York.
Manhattan Electrical Supply Co., Inc., New York.
Rochester Stamping Co., Rochester, N. Y.

Coolers, Beer, Wine, Milk, Etc.

Wittemann Co., Buffalo, N. Y.

Coolers, Cellular.

(See Radiators, Automobile.)

Coolers, Water.

Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Copper, Casting.

Nichols Copper Co., New York.
Phelps, Dodge & Co., New York.

Copper Digesters.

L. O. Koven & Brother, Jersey City, N. J.

Copper, Electrolytic.

Nichols Copper Co., New York.
Phelps, Dodge & Co., New York.
Raritan Copper Works, Perth Amboy, N. J.

Copper, Ingot Casting.

Pacific Metal Works, San Francisco, Cal.

Copper, Manganese.

Damascus Bronze Co., Pittsburgh, Pa.

Copper Nitrate.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Copper, Phosphorized.

(See Phosphorized Copper.)

Copper Rods.

American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Rome Brass and Copper Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.

Copper, Sheet.

American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Hendricks Brothers, Inc., New York.
W. S. Hough, Jr., Co., Providence, R. I.
Pilling Brass Co., Waterbury, Conn.
Rome Brass and Copper Co., Rome, N. Y.
Stamford Rolling Mills Co., Springdale, Conn.

Copper, Silicon.

Damascus Bronze Co., Pittsburgh, Pa.

Copper Sulphate.

General Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Nichols Copper Co., New York.

Copperas.

General Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Coppersmiths.

Edwin J. Blake, Hartford, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Thomas Mills & Brother, Inc., Philadelphia, Pa.

Cord, Sash.

William E. Hooper & Sons Co., Baltimore, Md.
Puritan Cordage Mills, Louisville, Ky.

Cordage, Cotton.

Anchor Duck Mills, Rome, Ga.
William E. Hooper & Sons Co., Baltimore, Md.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Puritan Cordage Mills, Louisville, Ky.

Cordage, Hemp and Sisal.

Columbian Rope Co., Auburn, N. Y.
Hooven & Allison Co., Xenia, Ohio.
R. A. Kelly Co., Xenia, Ohio.
Portland Cordage Co., Portland, Ore.
Wall Rope Works, Inc., New York.
Waterbury Co., New York.
Whitlock Cordage Co., New York.

Cordage, Jute.

Chelsea Fibre Mills, New York.
Columbian Rope Co., Auburn, N. Y.
Dolphin Jute Mills, Paterson, N. J.
Eagle Cordage Mills, Inc., Covington, Ky.
Hooven & Allison Co., Xenia, Ohio.
Ludlow Mfg. Associates, Boston, Mass.

Cordage, Wire.

Broderick & Bascom. Rope Co., St. Louis, Mo.
Driver-Harris Wire Co., Harrison, N. J.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Andrew B. Hendryx Co., New Haven, Conn.
John A. Roebling's Sons Co. of New York, New York.
Safety Insulated Wire and Cable Co., New York.

Cordage, Wire—Cont.

Standard Underground Cable Co., Pittsburgh, Pa.
Wall Rope Works, Inc., New York.
Waterbury Co., New York.
Wright Wire Co., Worcester, Mass.

Corduroy.

Brookside Mills, Knoxville, Tenn.
Crompton Co., Providence, R. I.
Howlett & Hockmeyer Co., Inc., New York.
Lawrence & Co., Boston, Mass.
Merrimack Mfg. Co., Boston, Mass.
Victoria Plush Mill, New York.

Corers and Parers, Fruit.

Penn Hardware Co., Reading, Pa.
L. A. Sayre Co., Newark, N. J.
N. R. Streeter & Co., Rochester, N. Y.

Cores, Paper.

Lowell Paper Tube Corp., Lowell, Mass.

Cork Insulation.

Armstrong Cork and Insulation Co., Pittsburgh, Pa.
Autoyre Co., Oakville, Conn.

Cork Legs.

A. A. Marks, New York.

Cork Pullers.

Havell Mfg. Co., Newark, N. J.

Corks and Cork Specialties.

Armstrong Cork and Insulation Co., Pittsburgh, Pa.
International Cork Co., Brooklyn, N. Y.
National Cork Co., Inc., Brooklyn, N. Y.
Paddock Cork Co., Brooklyn, N. Y.
J. H. Paddock Co, Brooklyn, N. Y.
United Cork Companies, New York.

Corn Products.

American Hominy Co., Indianapolis, Ind.
Corn Products Refining Co., New York.
Eagle Roller Mill Co., New Ulm, Minn.

Cornices, Sheet Metal.

Duluth Corrugating and Roofing Co., Duluth, Minn.
Edwards Mfg. Co., Cincinnati, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.
Rasner & Dinger Co., Pittsburgh, Pa.

Corrosive Sublimate.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.

Corset Materials.

Robert N. Bassett Co., New York.
Belding Brothers & Co., New York.
Samuel Buyer & Co., New York.
Salmon Falls Mfg. Co., Boston, Mass.
Strouse, Adler & Co., New York.
Warner Brothers Co., Bridgeport, Conn.

Corset Steels.

Robert N. Bassett Co., New York.
Warner Brothers Co., Bridgeport, Conn.

Corsets.

American Lady Corset Co., Detroit, Mich.
Benjamin & Johnes, Newark, N. J.
Corset H Co., Worcester, Mass.
Ferris Brothers Co., New York.

Corsets—Cont.

H. W. Gossard Co., Chicago, Ill.
Madame Irène, New York.
Strouse, Adler & Co., New York.
Warner Brothers Co., Bridgeport, Conn.

Cosmetics.

Hall & Ruckel, New York.

Costumers.

Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Mesereau Metal Bed Co., Jersey City, N. J.
Northern Furniture Co., Sheboygan, Wis.

Costumes and Wraps, Women's.

Adler & Ast, New York.
A. Beller & Co., New York.
Harry P. Belsinger & Co., New York.
Bischof, Sterne & Stein, Cincinnati, Ohio.
Harry Collins, New York.
Samuel Floersheimer & Brother, New York.
Goldman Costume Co., New York.
I. Heller & Co., New York.
E. A. Jackson, Inc., New York.
C. Kenyon Co., Brooklyn, N. Y.
Kupfer Bros. Import Co., New York.
Lefcourt & Brenner, New York.
A. E. Lefcourt & Co., New York.
M. N. Mayehoff & Co., Inc., Norwalk, Conn.
Geo. H. Montrose & Co., New York.
S. L. Munson Co., Albany, N. Y.
Newport Costume Co., Inc., New York.
Printz-Biederman Co., Cleveland, Ohio.
Rosen Bros., New York.
Rosenthal Bros. Co., New York.
Rubin Bros., New York.
Max M. Schwarcz & Co., New York.
S. L. Schwartz, New York.
Sheuerman Bros., Inc., Des Moines, Ia.
Silverstein Bros., New York.
Mannie Solomon Co., Inc., New York.
Tip Top Waist and Dress Co., New York.
E. J. Wile & Co., New York.
Woolf & Shulhof, New York.

Cots.

Foster Bros. Mfg. Co., Utica, N. Y.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Frank A. Hall & Sons, New York.
Newark Spring Mattress Co., Newark, N. J.
Simmons Co., Kenosha, Wis.

Cotters and Keys.

American Chain Co., Inc., Bridgeport, Conn.
National Screw and Tack Co., Cleveland, Ohio.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Cotters and Keys, Spring.

National Screw and Tack Co., Cleveland, Ohio.

Cotton, Absorbent.

Frank B. Graves Co., Albany, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Stearns & Foster Co., Cincinnati, Ohio.

Cotton Batting and Wadding.

John Hoberg Co., Green Bay, Wis.
W. Lowenthal & Co., Cohoes, N. Y.
Riverside Mills, Augusta, Ga.
Stearns & Foster Co., Cincinnati, Ohio.
Union Wadding Co., Pawtucket, R. I.

Cotton Chambrays.

Boston Mfg. Co., Boston, Mass.
Riverside & Dan River Cotton Mills, Inc., Danville, Va.

Cotton Cheviots.

Riverside & Dan River Cotton Mills, Inc., Danville, Va.
Windsor Print Co., New York.

Cotton Damask.

Manville Co., Providence, R. I.
Renfrew Mfg. Co., Adams, Mass.

Cotton Denims.

A. G. Hyde & Sons, New York.
Massachusetts Cotton Mills, Boston, Mass.
Proximity Mfg. Co., Greensboro, N. C.
J. L. Stifel & Sons, Wheeling, W. Va.

Cotton Draperies.

American Printing Co., Fall River, Mass.
M. C. D. Borden & Sons, New York.
Eddystone Mfg. Co., New York.
Lawrence & Co., Boston, Mass.
Manville Co., Providence, R. I.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Stead & Miller Co., Philadelphia, Pa.
Taber Mill, New Bedford, Mass.

Cotton Drills.

American Printing Co., Fall River, Mass.
Bear Mill Mfg. Co., New York.
M. C. D. Borden & Sons, New York.
Clifton Mfg. Co., Clifton, S. C.
J. H. Lane & Co., New York.
Lincoln Cotton Mill Co., Evansville, Ind.
Loray Mills, Gastonia, N. C.
Massachusetts Cotton Mills, Boston, Mass.
John H. Meyer & Co., Inc., New York.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Proximity Mfg. Co., Greensboro, N. C.
J. L. Stifel & Sons, Wheeling, W. Va.

Cotton Ducks.

Anchor Duck Mills, Rome, Ga.
Bear Mill Mfg. Co., New York.
John Boyle & Co., Inc., New York.
Brookside Mills, Knoxville, Tenn.
Floyd Cotton Mills, Rome, Ga.
Fulton Bag and Cotton Mills, Atlanta, Ga.
James S. Gary & Son, Baltimore, Md.
William E. Hooper & Sons Co., Baltimore, Md.
J. H. Lane & Co., New York.
Lawrence & Co., Boston, Mass.
Lincoln Cotton Mill Co., Evansville, Ind.
Massachusetts Cotton Mills, Boston, Mass.
John H. Meyer & Co., Inc., New York.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Salmon Falls Mfg. Co., Boston, Mass.
West Point Mfg. Co., Boston, Mass.

Cotton Fabrics, Mercerized.

Bear Mill Mfg. Co., New York.
Dartmouth Mfg. Corp., New Bedford, Mass.
A. G. Hyde & Sons, New York.
Manville Co., Providence, R. I.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Taber Mill, New Bedford, Mass.
Windsor Print Works, New York.

Cotton Flannels.

French & Ward, New York.
Lawrence & Co., Boston, Mass.
Massachusetts Cotton Mills, Boston, Mass.
Tremont & Suffolk Mills, Boston, Mass.
Windsor Print Works, New York.

Cotton Fleecy Fabrics.

French & Ward, New York.
Whittenton Mfg. Co., Boston, Mass.

Cotton Ginghams.

Boston Mfg. Co., Boston, Mass.
Lancaster Mills, Boston, Mass.
Lawrence & Co., Boston, Mass.
Manville Co., Providence, R. I.
Massachusetts Cotton Mills, Boston, Mass.
Riverside and Dan River Cotton Mills, Inc., Danville, Va.
Tecumseh Mills, Fall River, Mass.
Whittenton Mfg. Co., Boston, Mass.

Cotton Goods, Yarn-Dyed.

Bear Mill Mfg. Co., New York.
Boston Mfg. Co., Boston, Mass.
Lincoln Mfg. Co., Fall River, Mass.
Manville Co., Providence, R. I.
Massachusetts Cotton Mills, Boston, Mass.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Renfrew Mfg. Co., Adams, Mass.
Taber Mill, New Bedford, Mass.

Cotton Huck and Crash.

D. Jamieson's Sons, Philadelphia Pa.
Millville Mfg. Co., Philadelphia, Pa.
Muscogee Mfg. Co., Columbus, Ga.

Cotton Lawns.

Aldrich Brothers, Providence, R. I.
Attawaugan Co., Norwich, Conn.
Bear Mill Mfg. Co., New York.
Dartmouth Mfg. Corp., New Bedford, Mass.
Davis Mills, Fall River, Mass.
King Philip Mills, Fall River, Mass.
Lawrence & Co., Boston, Mass.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Sherman & Sons Co., New York.
Warwick Mills, Centreville, R. I.

Cotton Marquisettes.

Aldrich Brothers, Providence, R. I.
Bear Mill Mfg. Co., New York.
Lawrence & Co., Boston, Mass.
Manville Co., Providence, R. I.
New Bedford Cotton Mills, Corp., New Bedford, Mass.
Salmon Falls Mfg. Co., Boston, Mass.

Cotton Oil.

(See Oil, Cotton Seed.)

Cotton Plaids.

Riverside and Dan River Cotton Mills, Inc., Danville, Va.

Cotton Print Cloths.

Ancona Co., Fall River, Mass.
Glenn-Lowry Mfg. Co., Whitmire, S. C.
Lawton Mills Corporation, Boston, Mass.
Loray Mills, Gastonia, N. C.
Manville Co., Providence, R. I.
Merrimack Mfg. Co., Boston, Mass.
Stafford Mills, Fall River, Mass.

Cotton Prints.

American Printing Co., Fall River, Mass.
Bear Mill Mfg. Co., New York.
M. C. D. Borden & Sons, New York.
Eddystone Mfg. Co., New York.
A. G. Hyde & Sons, New York.
Lawrence & Co., Boston, Mass.
Pacific Mills, Boston, Mass.
J. L. Stifel & Sons, Wheeling, W. Va.
Windsor Print Works, New York.

Cotton Seed Products.

American Cotton Oil Co., New York.
Southern Cotton Oil Co., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Cotton Sheetings.

Clifton Mfg. Co., Clifton, S. C.
Columbus Mfg. Co., Columbus, Ga.
Wm. E. Hooper & Sons Co., Baltimore, Md.
J. H. Lane & Co., New York.
Lawrence & Co., Boston, Mass.
Lincoln Cotton Mill Co., Evansville, Ind.
Loray Mills, Gastonia, N. C.
Manville Co., Providence, R. I.
Massachusetts Cotton Mills, Boston, Mass.
Morgan & Hamilton Co., Nashville, Tenn.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Riverside and Dan River Cotton Mills, Inc., Danville, Va.
Scottdale Mills, Scottdale, Ga.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

Cotton Shirtings.

Bear Mill Mfg. Co., New York.
Clifton Mfg. Co., Clifton, S. C.
Dartmouth Mfg. Corp., New Bedford, Mass.
A. G. Hyde & Sons, New York.
King Philip Mills, Fall River, Mass.
Lancaster Mills, Boston, Mass.
Lawrence & Co., Boston, Mass.
Lorraine Mfg. Co., Pawtucket, R. I.
Massachusetts Cotton Mills, Boston, Mass.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Renfrew Mfg. Co., Adams, Mass.
Riverside and Dan River Cotton Mills, Inc., Danville, Va.
Taber Mill, New Bedford, Mass.
Windsor Print Works, New York.

Cotton, Soluble.

Albany Chemical Co., Albany, N. Y.

Cotton Tickings.

Muscogee Mfg. Co., Columbus, Ga.
Swift Mfg. Co., Columbus, Ga.

Cotton Twills.

Bear Mill Mfg. Co., New York.
A. G. Hyde & Sons, New York.
H. C. Jones Co., Conshohocken, Pa.
Lawrence & Co., Boston, Mass.
Manville Co., Providence, R. I.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Warren Mfg. Co., Warren, R. I.

Cotton Wadding.

Stearns & Foster Co., Cincinnati, Ohio.
Union Wadding Co., Pawtucket, R. I.

Cotton Waste.

(See Waste, Cotton.)

Cottonades.

H. C. Jones Co., Conshohocken, Pa.
Swift Mfg. Co., Columbus, Ga.

Cottons, Crochet and Knitting.

Dexter Yarn Co., Pawtucket, R. I.

Cottons, Embroidery.

Nonotuck Silk Co., Florence, Mass.

Cottons, Fancy.

Aldrich Brothers, Providence, R. I.
Arkwright Mills, Fall River, Mass.
Attawaugan Co., Norwich, Conn.
Bear Mill Mfg. Co., New York.
Dartmouth Mfg. Corp., New Bedford, Mass.
Davis Mills, Fall River, Mass.
Davol Mills, Fall River, Mass.
A. G. Hyde & Sons, New York.
King Philip Mills, Fall River, Mass.
Lawrence & Co., Boston, Mass.
Lincoln Mfg. Co., Fall River, Mass.
Manville Co., Providence, R. I.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Pacific Mills, Boston, Mass.
Renfrew Mfg. Co., Adams, Mass.
Sherman & Sons Co., New York.
Taber Mills, New Bedford, Mass.
Warren Mfg. Co., Warren, R. I.
Windsor Print Works, New York.

Cough Drops.

W. H. Luden, Reading, Pa.
Smith Brothers, Poughkeepsie, N. Y.

Counterbores and Countersinks.

Clark Equipment Co., Buchanan, Mich.
Cleveland Milling Machine Co., Cleveland, Ohio.
Cleveland Twist Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.
Greenfield Tap and Die Corp., Greenfield, Mass.
Russell Jennings Mfg. Co., Chester, Conn.
Morse Twist Drill and Machine Co., New Bedford, Mass.
L. A. Sayre Co., Newark, N. J.
Standard Tool Co., Cleveland, Ohio.
L. S. Starrett Co., Athol, Mass.
James Swan Co., Seymour, Conn.

Counters, Boot and Shoe.

Graton & Knight Mfg. Co., Worcester, Mass.

Counters, Hand Tally.

Veeder Mfg. Co., Hartford, Conn.

Counters, Revolution.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Manning, Maxwell & Moore, Inc., New York.
Veeder Mfg. Co., Hartford, Conn.

Couplers, Air Hose.

W. J. Clark Co., Salem, Ohio.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Thomas H. Dallett Co., Philadelphia, Pa.

Couplers, Car.

American Steel Foundries, Chicago, Ill.
Buckeye Steel Castings Co., Columbus, Ohio.
Gould Coupler Co., New York.

Couplers, Car—Cont.

Gregg Co., Ltd., Hackensack, N. J.
McConway & Torley Co., Pittsburgh, Pa.
National Malleable Castings Co., Cleveland, Ohio.
R. D. Nuttall Co., Pittsburgh, Pa.

Couplings, Electrical.

Standard Underground Cable Co., Pittsburgh, Pa.

Couplings, Hose, Fire and Garden.

W. J. Clark Co., Salem, Ohio.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
General Fire Extinguisher Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Stuber & Kuck Co., Peoria, Ill.

Couplings, Pipe.

(See also Fittings, Steam, Gas and Water.)
A. M. Byers Co., Pittsburgh, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
New Haven Screw Co., New Haven, Conn.

Couplings, Shaft.

Bond Foundry and Machine Co., Manheim, Pa.
A. & F. Brown Co., New York.
Columbus Bolt Works, Columbus, Ohio.
Connersville Blower Co., Connersville, Ind.
Benjamin Eastwood Co., Paterson, N. J.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Moore & White Co., Philadelphia, Pa.

Covering, Boiler and Steam Pipe.

Philip Carey Mfg. Co., Lockland, Ohio.
Keasbey & Mattison Co., Ambler, Pa.

Covers, Horse, Waterproof.

L. C. Chase & Co., Boston, Mass.
Fulton Bag and Cotton Mills, Atlanta, Ga.
A. J. Tower Co., Boston, Mass.

Covers, Polishing Wheel.

Bickford & Francis Belting Co., Buffalo, N. Y.

Crackers.

Frank E. Block Co., Atlanta, Ga.
Johnson Biscuit Co., Sioux City, Ia.
Maryland Biscuit Co., Baltimore, Md.
Union Biscuit Co., St. Louis, Mo.

Cranes, Electric, Steam or Hand Power.

Alliance Machine Co., Alliance, Ohio.
American Hoist and Derrick Co., St. Paul, Minn.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Chisholm-Moore Mfg. Co., Cleveland, Ohio.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Hayward Co., New York.
Heyl & Patterson, Inc., Pittsburgh, Pa.
Lamson Co., Boston, Mass.
Lane Mfg. Co., Montpelier, Vt.
Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
McMyler Interstate Co., Bedford, Ohio.
Manning, Maxwell & Moore, New York.
Marion Steam Shovel Co., Marion, Ohio.

Cranes, Electric, Steam or Hand, Power—Cont.
Mead-Morrison Mfg. Co., East Boston, Mass.
Niles-Bement-Pond Co., New York.
Toledo Bridge and Crane Co., Toledo, Ohio.
Wellman-Seaver-Morgan Co., Cleveland, Ohio.

Cranes, Hydraulic.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.

Cranes, Locomotive.
Link-Belt Co., Chicago, Ill.

Cranes, Pneumatic.
Brown Hoisting Machinery Co., Cleveland., Ohio.

Cranes, Rope Driven.
Lane Mfg. Co., Montpelier, Vt.

Crates.
(See Boxes, Packing.)

Crayons.
American Oil and Supply Co., Newark, N. J.
Binney & Smith Co., New York.
Joseph Dixon Crucible Co., Jersey City, N. J.

Cream of Tartar.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Stickney & Poor Spice Co., Boston, Mass.
Tartar Chemical Co., New York.

Creamery Supplies.
Central Stamping Co., New York.
Champion Blower and Forge Co., Lancaster, Pa.
J. G. Cherry Co., Cedar Rapids, Iowa.
M. T. Davidson Co., Brooklyn, N. Y.
De Laval Separator Co., New York.
Diamond Crystal Salt Co., St. Clair, Mich.
Eimer & Amend, New York.
J. B. Ford Co., Wyandotte, Mich.
International Harvester Corp., Chicago, Ill.
Sharples Separator Co., West Chester, Pa.
Thatcher Mfg. Co., Elmira, N. Y.
S. S. Wenzell Machine Co., Philadelphia, Pa.

Creepers, Ice.
L. A. Sayre Co., Newark, N. J.

Creosote.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
New Haven Gas Light Co., New Haven, Conn.

Cribs.
Foster Bros. Mfg. Co., Utica, N. Y.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
C. O. Hasselbarth, Albany, N. Y.
Mersereau Metal Bed Co., Jersey City, N. J.
Newark Spring Mattress Co., Newark, N. J.
Northern Furniture Co., Sheboygan, Wis.
Simmons Co., Kenosha, Wis.
Whitcomb Metallic Bedstead Co., Derby, Conn.

Crockery.
(See Pottery.)

Cross Arms, Creosoted.
Pacific Creosoting Co., Seattle, Wash.

Crossings, Railway.
(See Frogs and Switches.)

Crowbars.
Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Warwood Tool Co., Wheeling, W. Va.

Crucibles, Graphite.
Acheson Graphite Co., Niagara Falls, N. Y.
Joseph Dixon Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., Pittsburgh, Pa.

Crusher Parts.
Railway Steel-Spring Co., New York.
Sturtevant Mill Co., Boston, Mass.

Crushers, Clay.
American Clay Machinery Co., Bucyrus, Ohio.
C. O. Bartlett & Snow Co., Cleveland, Ohio.
Bonnot Co., Canton, Ohio.
Chambers Bros. Co., Philadelphia, Pa.
Jeffrey Mfg. Co., Columbus, Ohio.
Sturtevant Mill Co., Boston, Mass.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.

Crushers, Stone and Ore.
(See Breakers, Stone and Ore; also Machinery, Crushing and Pulverizing.)

Crutches.
A. A. Marks, New York.

Cuffs, Linen.
Cluett, Peabody & Co., Troy, N. Y.
Earl & Wilson, Troy, N. Y.
Hall, Hartwell & Co., Troy, N. Y.
Geo. P. Ide & Co., Troy, N. Y.
United Shirt and Collar Co., Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.

Cultivators, Hand.
(See also Tools, Farm and Garden.)
S. L. Allen & Co., Philadelphia, Pa.
Bateman Mfg. Co., Grenloch, N. J.
J. I. Case Plow Works, Racine, Wis.
A. B. Farquhar & Co., New York.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Cultivators, Horse.
S. L. Allen & Co., Philadelphia, Pa.
American Seeding Machine Co., Springfield, Ohio.
Bateman Mfg. Co., Grenloch, N. J.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Cultivators, Horse—Cont.

Moline Plow Co, Moline, Ill
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
South Bend Chilled Plow Co., South Bend, Ind.
Wiard Plow Co., Batavia, N. Y.

Culvert Linings.

(See Tunnel and Culvert Linings.)

Culverts.

American Rolling Mill Co., Middletown, Ohio.
Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
Western Pipe and Steel Co. of Cal., San Francisco, Cal.

Cupola Linings.

(See Linings, Clay, Fireproof.)

Cupolas, Foundry.

McCullough-Dalzell Crucible Co., Pittsburgh, Pa.
John Mohr & Sons, Chicago, Ill.

Cupro-Nickel.

Seymour Mfg. Co., Seymour, Conn.
Stamford Rolling Mills Co., Springdale, Conn.

Cupro Vanadium.

Primos Chemical Co., Primos, Pa.

Cups, Priming.

Penberthy Injector Co., Detroit, Mich.
D. T. Williams Valve Co., Cincinnati, Ohio.

Cups, Sanitary Drinking.

C. F. Rumpp & Sons, Philadelphia, Pa.

Curlers, Hair.

West Electric Hair Curler Co., Philadelphia, Pa.

Currycombs.

New York Stamping Co., Brooklyn, N. Y.

Curtain Fixtures.

Stewart Hartshorn Co., East Newark, N. J.
Haviland Shade Roller Co., New York.

Curtain Fixtures, Carriage.

Crandal, Stone & Co., Binghamton, N. Y.

Curtain Fixtures, Railway Car.

National Lock Washer Co., Newark, N. J.

Curtains, Carriage and Railway Car.

J. G. Brill Co., Philadelphia, Pa.
National Lock Washer Co., Newark, N. J.

Curtains, Lace.

John Bromley & Sons, Philadelphia, Pa.
E. C. Carter & Son, New York.
Columbia Mills, Inc., New York.
Patchogue Mfg. Co., New York.

Curtains, Silk.

Robert Lewis Co., Bridesburg, Pa.

Curtains, Tapestry.

Robert Lewis Co., Bridesburg, Pa.
Moss Rose Mfg. Co., Philadelphia, Pa.
Stead & Miller Co., Philadelphia, Pa.

Cushions, Air.

Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., Tuckahoe, N. Y.

Cut-Outs, Electric.

(See Circuit Breakers.)

Cutlery.

Challenge Cutlery Corp., Bridgeport, Conn.
Havell Mfg. Co., Newark, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Meriden Cutlery Co., Meriden, Conn.
Northampton Cutlery Co., Northampton, Mass.
Ontario Silver Co., Muncie, Ind.
Simeon L. & George H. Rogers Co., Hartford, Conn.
Shapleigh Hardware Co., St. Louis, Mo.
R. Wallace & Sons Mfg. Co,, Wallingford, Conn.

Cutter Heads.

(See Heads, Cutter.)

Cutters, Bar, Bit, Etc.

W. W. & C. F. Tucker, Hartford, Conn.

Cutters, Bread.

N. R. Streeter & Co., Rochester, N. Y.

Cutters, Brick.

American Clay Machinery Co., Bucyrus, Ohio.

Cutters, Cheese.

Computing-Tabulating-Recording Co., New York.

Cutters, Cloth.

Oswego Machine Works, Oswego, N. Y.

Cutters, Coal.

Jeffrey Mfg. Co., Columbus, Ohio.

Cutters, Feed and Ensilage.

Cardwell Machine Co., Richmond, Va.
S. Freeman & Sons Mfg. Co., Racine, Wis.
International Harvester Corp., Chicago, Ill.
Silver Mfg. Co., Salem, Ohio.

Cutters, Gear.

(See Machines, Gear Cutting.)

Cutters, Glass.

Millers Falls Co., Millers Falls, Mass.
Norton Co., Worcester, Mass.

Cutters, Meat.

(See also Choppers, Food.)

Brecht Co., St. Louis, Mo.
Computing-Tabulating-Recording Co., New York.
Duncan MacKenzie's Sons Co., Trenton, N. J.
N. R. Streeter & Co., Rochester, N. Y.

Cutters, Milling.

Advance Machinery Co., Toledo, Ohio.
Barber-Colman Co., Rockford, Ill.
Becker Milling Machine Co., Boston, Mass.
Cleveland Milling Machine Co., Cleveland, Ohio.
Cleveland Twist Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.
Fellows Gear Shaper Co., Springfield, Vt.
Garvin Machine Co., New York.

Cutters, Milling—Cont.

Geometric Tool Co., New Haven, Conn.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill and Machine Co., New Bedford, Mass.
National Tool Co., Cleveland, Ohio.
National Twist Drill and Tool Co., Detroit, Mich.
Niles-Bement-Pond Co., New York.
Standard Tool Co., Cleveland, Ohio.
Stenotype Co., Indianapolis, Ind.
Taylor, Stiles & Co., Riegelsville, N. J.
Whitney Mfg. Co., Hartford, Conn.

Cutters, Paper.

Chandler & Price Co., Cleveland, Ohio.
R. J. Dowd Knife Works, Beloit, Wis.
Golding Mfg. Co., Franklin, Mass.
W. O. Hickok Mfg. Co., Harrisburg, Pa.
John Jacques & Son, Worcester, Mass.
M. D. Knowlton Co., Rochester, N. Y.
Oswego Machine Works, Oswego, N. Y.
Seybold Machine Co., Dayton, Ohio.
Sigourney Tool Co., Hartford, Conn.
Simonds Mfg. Co., Fitchburg, Mass.
Smith & Winchester Mfg. Co., South Windham, Conn.
Samuel C. Tatum Co., Cincinnati, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.

Cutters, Pipe.

(See Tools, Pipe Fitters'.)

Cutters, Scrap Leather, Rubber, Etc.

Abbé Engineering Co., New York.

Cutters and Shredders, Rag.

Curtis & Marble Machine Co., Worcester, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.

Cutters, Stalk.

J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
South Bend Chilled Plow Co., South Bend, Ind.

Cutters, Tobacco.

John B. Adt Co., Baltimore, Md.
Buckeye Iron and Brass Works, Dayton, Ohio.
Cardwell Machine Co., Richmond, Va.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio.
North Brothers Mfg. Co., Philadelphia, Pa.
Penn Hardware Co., Reading, Pa.

Cutters, Wire and Sprue.

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
H. K. Porter, Everett, Mass.
F. B. Shuster Co., New Haven, Conn.
Worthington Pump and Machine Corp., New York.

Cyanide Gold Extracting Plants.

(See also Machinery, Concentrating and Smelting.)

Colorado Iron Works Co., Denver, Colo.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Stearns-Roger Mfg. Co., Denver, Colo.
Worthington Pump and Machinery Corp., New York.

Cyanide, Metallic.

Roessler & Hasslacher Chemical Co., New York.

Cycle Cars.

Hendee Mfg. Co., Springfield, Mass.

Cyclometers.

New Departure Mfg. Co., Bristol, Conn.
Veeder Mfg. Co., Hartford, Conn.

Cylinders, Steel.

Federal Pressed Steel Co., Milwaukee, Wis.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Prest-O-Lite Co., Indianapolis, Ind.

Dairy Supplies.

(See Creamery Supplies.)

Dandy Rolls.

Cheney Bigelow Wire Works, Springfield, Mass.

Decalcomania.

Meyercord Co., Inc., Chicago, Ill.

Decking, Ship.

Missouri Lumber and Land Exchange Co., Kansas City, Mo.

Decorators' Fabrics.

(See also Upholstery Fabrics.)

Cheney Brothers, South Manchester, Conn.
H. B. Wiggin's Sons Co., Bloomfield, N. J.

Dental Floss.

Belding Brothers & Co., New York.
Brainerd & Armstrong Co., New London, Conn.
Consolidated Dental Mfg. Co., New York.

Dental Supplies.

Chicago Wheel and Mfg. Co., Chicago, Ill.
Columbus Dental Mfg. Co., Columbus, O.
Consolidated Dental Mfg. Co., New York.
Davol Rubber Co., Providence, R. I.
Dentists' Supply Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Hamilton Mfg. Co., Two Rivers, Wis.
J. F. Jelenko & Co., New York.
Johnson & Johnson, New Brunswick, N. J.
Eli Lilly & Co., Indianapolis, Ind.
Mattson Rubber Co., Lodi, N. J.
Merck & Co., New York.
Parker, Stearns & Co., Brooklyn, N. Y.
Ritter Dental Mfg. Co., Rochester, N. Y.
I. Stern & Co., New York.
A. J. Watts Co., New York.

Dentifrice.

Hall & Ruckel, New York.
United Drug Co., Boston, Mass.

Derricks.

American Hoist and Derrick Co., St. Paul, Minn.
Hayward Co., New York.
Lambert Hoisting Engine Co., Newark, N. J.
Lidgerwood Mfg. Co., New York.
Mead-Morrison Mfg. Co., Cambridge, Mass.
Oil Well Supply Co., Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., Cleveland, Ohio.

Derricks, Cane Storage.

American Hoist and Derrick Co., St. Paul, Minn.
Gregg Co., Ltd., Hackensack, N. J.

Desk Sets.

Acme Shear Co., Bridgeport, Conn.
Reuhl Moulding Mfg. Co., Cincinnati, O.
William Schimper & Co., Hoboken, N. J.

Desks, Flat and Roll Top.

A. H. Andrews Co., Chicago, Ill.
Browne-Morse Co., Muskegon, Mich.
J. F. Dietz & Co., Cincinnati, Ohio.
Gunn Furniture Co., Grand Rapids, Mich.
Horrocks Desk Co., Herkimer, N. Y.
Standard Furniture Co., Herkimer, N. Y.

Desks, Parlor.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Cron-Kills Co., Piqua, Ohio.
Doernbecher Mfg. Co., Portland, Ore.
Herzog Art Furniture Co., Saginaw, Mich.
New Orleans Furniture Mfg. Co., New Orleans, La.
Northern Furniture Co., Sheboygan, Wis.
Skandia Furniture Co., Rockford, Ill.
Udell Works, Indianapolis, Ind.

Desks, School.

American Seating Co., Chicago, Ill.
A. H. Andrews Co., Chicago, Ill.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
New Jersey School-Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., North Manchester, Ind.
E. H. Stafford Mfg. Co., Chicago, Ill.

Desks, Typewriter.

Horrocks Desk Co., Herkimer, N. Y.
Standard Furniture Co., Herkimer, N. Y.

Dextrine.

(See Gum, British.)

Diamonds.

Davidson & Schwab, Inc., New York.
Dreicer & Co., New York.
Durand & Co., Newark, N. J.
Jung & Klitz, New York.
John R. Keim, New York.
Krementz & Co., Newark, N. J.
Long & Koch Co., Newark, N. J.
Walter P. McTeigue, New York.
Ludwig Nissen & Co., New York.
Osmun-Parker Mfg. Co., Newark, N. J.
Schenck & Van Haelen, New York.
Stern Brothers & Co., New York.
Wiegand & Co., Newark, N. J.

Diaphragms, Carbon.

National Carbon Co., Cleveland, Ohio.

Diaphragms, Rubber.

Edson Mfg. Co., Boston, Mass.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, Ohio.
Hamilton Rubber Mfg. Co., Trenton, N. J.
New York Rubber Co., Inc., New York.

Diaries.

H. B. Hardenburg & Co., Brooklyn, N. Y.
Elwood Myers Co., Springfield, Ohio.

Dictaphones.

Thomas A. Edison, Inc., Orange, N. J.
Columbia Graphophone Co., New York.

Dies, Automatic.

E. W. Bliss Co., Brooklyn, N. Y.
Greenfield Tap and Die Corp., Greenfield, Mass.

Dies, Cutting.

Max Ams Machine Co., Bridgeport, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Geometric Tool Co., New Haven, Conn.
Hart Mfg. Co., Cleveland, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.

Dies, Screw Cutting.

(See Taps and Dies.)

Dies, Stamping and Forming.

Adriance Machine Works, Inc., Brooklyn, N. Y.
E. W. Bliss Co., Brooklyn, N. Y.
H. W. Cotton, Inc., New York.
Ferracute Machine Co., Bridgeton, N. J.
Keller Mechanical Engraving Co., Brooklyn, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Niagara Machine and Tool Works, Buffalo, N. Y.
F. A. Ringler Co., New York.
Transue & Williams Co., Alliance, Ohio.

Differentials.

Van Dorn & Dutton Co., Cleveland, Ohio.
Warner Gear Co., Muncie, Ind.

Digesters, Paper.

Bath Iron Works, Ltd., Bath, Me.
John Brennan Co., Detroit, Mich.
Continental Iron Works, Brooklyn, N. Y.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Pusey & Jones Co., Wilmington, Del.

Diggers, Post Hole.

Henry Disston & Sons, Inc., Philadelphia, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
F. E. Kohler Co., Canton, Ohio.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

Diggers, Potato.

(See Potato Diggers.)

Diggers, Trench.

Keystone Driller Co., Beaver Falls, Pa.

Dishes, Butter.

Richmond Cedar Works, Richmond, Va.

Disinfectants.

American Oil and Supply Co., Newark, N. J.
Bristol-Myers Co., Brooklyn, N. Y.
C. B. Dolge Co., Westport, Conn.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Merck & Co., New York.
North Star Chemical Works, Lawrence, Mass.

Disinfectants—Cont.

William Peterman, Inc., New York.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
W. & H. Walker, Pittsburgh, Pa.

Disinfecting Apparatus.

Kny-Scheerer Co., New York.
William Vogel & Brothers, Inc., Brooklyn. N. Y.

Disinfecting Apparatus for Clothing.

Troy Laundry Machinery Co., Ltd., Chicago, Ill.

Disintegrators.

(See Machinery, Crushing and Pulverizing.)

Distilling Apparatus, Water.

E. B. Badger & Sons Co., Boston, Mass.
M. T. Davidson Co., Brooklyn, N. Y.
Eimer & Amend, New York.
Schütte & Koerting Co., Philadelphia, Pa.
Triumph Electric Co., Cincinnati, Ohio.

Ditchers, Railroad.

American Hoist and Derrick Co., St. Paul, Minn.
Marion Steam Shovel Co., Marion, Ohio.
Western Wheeled Scraper Co., Aurora, Ill.

Diving Apparatus.

Andrew J. Morse & Son, Inc., Boston, Mass.
A. Schrader's Son., Inc., Brooklyn, N. Y.

Doors, Bronze and Iron.

Dahlstrom Metallic Door Co., Jamestown, N. Y.

Doors, Cold Storage.

Bernard Gloekler Co., Pittsburgh, Pa.

Doors, Fire.

(See also Doors, Iron and Steel.)
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Kinnear Mfg. Co., Columbus, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Mesker Brothers Iron Co., St. Louis, Mo.

Doors, Iron and Steel.

Dahlstrom Metallic Door Co., Jamestown, N. Y.
Detroit Steel Products Co., Detroit, Mich.
David Lupton's Sons Co., Philadelphia, Pa.
Mesker Bros. Iron Co., St. Louis, Mo.
J. Edward Ogden Co., Inc., New York.
C. D. Pruden Co., Baltimore, Md.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Trussed Concrete Steel Co., Youngstown, Ohio.
E. Van Noorden & Co., Boston, Mass.
York Safe and Lock Co., York, Pa.

Doors, Sash and Blinds.

Chas. T. Abeles & Co., Little Rock, Ark.
American Car and Foundry Co., New York.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
California Door Co., San Francisco, Cal.
Carr, Ryder & Adams Co., Dubuque, Iowa.
Curtis Lumber and Millwork Co., Clinton, Iowa.

Doors, Sash and Blinds—Cont.

Curtis Sash and Door Co., Sioux City, Iowa.
Curtis, Towle & Paine Co., Lincoln, Neb.
R. H. Downman, New Orleans, La.
Otto Duker & Co., Baltimore, Md.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
M. J. Gibbud Co., Inc., New Haven, Conn.
Hammond Lumber Co., San Francisco, Cal.
Hotchkiss Brothers Co., Torrington, Conn.
Huttig Sash and Door Co., St. Louis, Mo.
Montgomery Bros. & Co., Buffalo, N. Y.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Roach & Musser Co., Muscatine, Iowa.
A. Roberson & Son, Binghamton, N. Y.
St. John Wood Working Co., Stamford, Conn.
Scott-Graff Lumber Co., Duluth, Minn.
Shevlin-Hixon Co., Minneapolis, Minn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
A. Teachout Co., Cleveland, Ohio.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.
J. G. Wilson Corp., New York.

Doors, Screen.

Curtis, Towle & Paine Co., Lincoln, Neb.
Higgin Mfg. Co., Newport, Ky.
Owosso Mfg. Co., Owosso, Mich.

Doors and Shutters, Steel Rolling.

Edwards Mfg. Co., Cincinnati, Ohio.
Kinnear Mfg. Co., Columbus, Ohio.

Doors, Veneered.

Conway Co., Milwaukee, Wis.
F. Eggers Veneer Seating Co., Two Rivers, Wis.
Roach & Musser Co., Muscatine, Iowa.

Doors, Vestibule and Storm.

Dahlstrom Metallic Door Co., Jamestown, N. Y.
Hecla Iron Works, Brooklyn, N. Y.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Smyser-Royer Co., York, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Draft Apparatus, Mechanical.

B. F. Sturtevant Co., Boston, Mass.

Drainers, Cellar.

Central Foundry Co., New York.
Penberthy Injector Co., Detroit, Mich.

Dredges.

Ellicott Machine Corp., Baltimore, Md.
Great Lakes Engineering Works, Detroit, Mich.
Hayward Co., New York.
Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
Manitowoc Ship Building Co., Manitowoc, Wis.
Marion Steam Shovel Co., Marion, Ohio.

Dredges, Elevator.

Link-Belt Co., Chicago, Ill.

Dress Goods, Cotton.

Arkwright Mills, Fall River, Mass.
Bear Mill Mfg. Co., New York.
Carson Pirie Scott & Co., Chicago, Ill.
Eddystone Mfg. Co., New York.
French & Ward, New York.
Hoosac Cotton Mills, Boston, Mass.

Dress Goods, Cotton—Cont.

A. G. Hyde & Sons, New York.
Lancaster Mills, Boston, Mass.
Lawrence & Co., Boston, Mass.
Lawton Mills Corp., Boston, Mass.
Lesher, Whitman & Co., Inc., New York.
Lincoln Mfg. Co., Fall River, Mass.
Lorraine Mfg. Co., Pawtucket, R. I.
Luther Mfg. Co., Fall River, Mass.
Manville Co., Providence, R. I.
Merrimack Mfg. Co., Boston, Mass.
Millville Mfg. Co., Philadelphia, Pa.
New Bedford Cotton Mills Corp., New Bedford, Mass.
Renfrew Mfg. Co., Adams, Mass.
Sherman & Sons Co., New York.
J. L. Stifel & Sons, Wheeling, W. Va.
Swift Mfg. Co., Columbus, Ga.
Warren Mfg. Co., Warren, R. I.
Warwick Mills, Centreville, R. I.

Dress Goods, Silk.

Astoria Silk Works, Long Island City, N. Y.
Belding Brothers & Co., New York.
Bloomsburg Silk Mill, Bloomsburg, Pa.
Brainerd & Armstrong Co., New London, Conn.
Brilliant Silk Mfg. Co., New York.
Burlington Silk Mills, New York.
Cardinal & Becker, Paterson, N. J.
Carson Pirie Scott & Co., Chicago, Ill.
Cheney Brothers, South Manchester, Conn.
D. G. Dery, Allentown, Pa.
Doherty & Wadsworth Co., Paterson, N. J.
Henry Doherty Silk Co., Paterson, N. J.
Dundee Textile Co., Passaic, N. J.
J. H. & C. K. Eagle, New York.
Empire Silk Co., New York.
Fried, Mendelson & Co., New York.
Goetz Silk Mfg. Co., Holyoke, Mass.
John Hand & Sons, Inc., Paterson, N. J.
Harrison & Gore Silk Co., Newburgh, N. Y.
Haskell Silk Co., Westbrook, Me.
Haytock-Cronemeyer Co., Easton, Pa.
Hess, Goldsmith & Co., New York.
Holzman Silk Mfg. Co., Paterson, N. J.
A. G. Hyde & Sons, New York.
Kattermann & Mitchell Co., Paterson, N. J.
W. Little & Co., Paterson, N. J.
Samuel McCollom, Paterson, N. J.
H. R. Mallinson & Co., New York.
Manhattan Silk Co., New York.
Franz Merz, New York.
John H. Meyer & Co., Inc., New York.
J. A. Migel, New York.
Northampton Silk Co., Easton, Pa.
Pelgram & Meyer, New York.
Pennsylvania Textile Co., New York.
Phoenix Silk Mfg. Co., Paterson, N. J.
Post & Sheldon Corp., New York.
Reiling & Schoen, Inc., New York.
Louis Roessel & Co., New York.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.
Schwarzenbach-Huber Co., New York.
R. & H. Simon Co., Union Hill, N. J.
William Skinner & Sons, Holyoke, Mass.
Souter Silk Mfg. Co., New York.
Standard Silk Co., New York.
Star Ribbon Mfg. Co., Astoria, N. Y.
John N. Stearns & Co., New York.
Stewart Silk Co., New York.
Susquehanna Silk Mills, New York.
Warwick Mills, Centreville, R. I.
Williams Silk Mfg. Co., West New York, N. J.

Dress Goods, Woolen.

Atlantic Mills of Rhode Island, Providence, R. I.
F. A. Bochmann & Co., Inc., New York.
Botany Worsted Mills, Passaic, N. J.
Carson Pirie Scott & Co., Chicago, Ill.
Eugene Woolen Mill Co., Eugene, Ore.
Forstmann & Huffmann Co., Passaic, N. J.
Samuel Fox's Sons, Inc., La Porte, Ind.
French & Ward, New York.
Harris, Emery Co., New York.
J. R. Keim & Co., Phiadelphia, Pa.
Lawrence & Co., Boston, Mass.
Franz Merz, New York.
Peace Dale Mfg. Co., Peace Dale, R. I.
Wm. F. Read & Sons Co., Philadelphia, Pa.
Roy Woolen Co., Watervliet, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Strong, Hewat & Co., New York.
United States Worsted Co., Boston, Mass.
Worumbo Mfg. Co., Bath, Me.

Dress Goods, Worsted.

F. A. Bochmann & Co., Inc., New York.
Broadhead Worsted Mills, Jamestown, N. Y.
Cleveland Worsted Mills Co., Cleveland, Ohio.
Colwell Worsted Mills, Providence, R. I.
Farr Alpaca Co., Holyoke, Mass.
Forstmann & Huffmann Co., Passaic, N. J.
D. Goff & Sons, Pawtucket, R. I.
Lorraine Mfg. Co., Pawtucket, R. I.
Franz Merz, New York.
Peace Dale Mfg. Co., Peace Dale, R. I.
Princeton Worsted Mills, Inc., Trenton, N. J.
Saxonia Dress Goods Mills, New York.
United States Worsted Co., Boston, Mass.
Warwick Mills, Centreville, R. I.

Dressers and Scalpers, Flour.

Nordyke & Marmon Co., Indianapolis, Ind.

Dressers, Emery Wheel.

American Emery Wheel Works, Providence, R. I.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Detroit Screw Works, Detroit, Mich.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Willard F. Meyers Machine Co., Inc., Long Island City, N. Y.
Norton Co., Worcester, Mass.
Standard Screw Co., Chicago Ill.
Standard Tool Co., Cleveland, Ohio.
Vitrified Wheel Co., Westfield, Mass.
Waltham Emery Wheel Co., Waltham, Mass.
Warren Axe and Tool Co., Warren, Pa.

Dressing, Belt.

American Oil and Supply Co., Newark, N. J.
Bradford Belting Co., Cincinnati, Ohio.
Joseph Dixon Crucible Co., Jersey City, N. J.
Graton & Knight Mfg. Co., Worcester, Mass.
Indian Refining Co., New York.
Jewell Belting Co., Hartford, Conn.

Dressing Cases, Leather.

C. F. Rumpp & Sons, Philadelphia, Pa.

Dressing, Harness.

Frank Miller Co., New York.

Dressing, Leather.
Frank Miller Co., New York.

Dressings, Antiseptic and Surgical.
Johnson & Johnson, New Brunswick, N. J.

Drilling Machines for Metals.
American Tool Works Co., Cincinnati, Ohio.
W. F. & John Barnes Co., Rockford, Ill.
Baush Machine Tool Co., Springfield, Mass.
Champion Blower and Forge Co., Lancaster, Pa.
Cincinnati Bickford Tool Co., Cincinnati, Ohio.
Cincinnati Pulley Machinery Co., Cincinnati, Ohio.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Colburn Machine Tool Co., Franklin, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Foote-Burt Co., Cleveland, Ohio.
Fosdick Machine Tool Co., Cincinnati, Ohio.
Garvin Machine Co., New York.
Gisholt Machine Co., Madison, Wis.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Henry & Wright Mfg. Co., Hartford, Conn.
Hisey-Wolf Machine Co., Cincinnati, Ohio.
Lucas Machine Tool Co., Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Co., New Bedford, Mass.
National Acme Mfg. Co., Cleveland, Ohio.
National Automatic Tool Co., Richmond, Ind.
Niles-Bement-Pond Co., New York.
Reed-Prentice Co., Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
Silver Mfg. Co., Salem, Ohio.
Standard Tool Co., Cleveland Ohio.
Taylor & Fenn Co., Hartford, Conn.
H. P. Townsend Mfg. Co., Hartford, Conn.
United States Electrical Tool Co., Cincinnati, Ohio.
Van Dorn Electric Tool Co., Cleveland, Ohio.
H. G. Vogel Co., New York.

Drills, Artesian Well.
Denver Rock Drill Mfg. Co., Denver, Colo.
Keystone Driller Co., Beaver Falls, Pa.
Oil Well Supply Co., Pittsburgh, Pa.
Star Drilling Machine Co., Akron, Ohio.
Union Tool Co., Los Angeles, Cal.

Drills, Automatic Hand.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
John S. Fray & Co., Bridgeport, Conn.
Millers Falls Co., Millers Falls, Mass.
North Brothers Mfg. Co., Philadelphia, Pa.

Drills, Blacksmiths'.
Baker Brothers, Toledo, Ohio.
Evansville Tool Works, Evansville, Ind.
Millers Falls Co., Millers Falls, Mass.
Niles-Bement-Pond Co., New York.
North Brothers Mfg. Co., Philadelphia, Pa.
Standard Tool Co., Cleveland, Ohio.
United States Electrical Tool Co., Cincinnati, Ohio.

Drills, Grain.
American Seeding Machine Co., Richmond, Ind.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Moline Plow Co., Moline, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Drills, Hand.
Millers Falls Co., Millers Falls, Mass.
North Brothers Mfg. Co., Philadelphia, Pa.
Silver Mfg. Co., Salem, Ohio.
James Swan Co., Seymour, Conn.

Drills, Pneumatic.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Thos. H. Dallett Co., Philadelphia, Pa.

Drills, Ratchet.
Baush Machine Tool Co., Springfield, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Millers Falls Co., Millers Falls, Mass.
Niles-Bement-Pond Co., New York.
Standard Tool Co., Cleveland, Ohio.

Drills, Rock.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Denver Rock Drill Mfg. Co., Denver, Colo.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.
Star Drilling Machine Co., Akron, Ohio.

Drills, Star.
Kraeuter & Co., Inc., Newark, N. J.
Vichek Tool Co., Cleveland, Ohio.

Drills, Track.
Buda Co., Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.

Drills, Twist.
Clark Equipment Co., Buchanan, Mich.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Cleveland Twist Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.
Morse Twist Drill and Machine Co., New Bedford, Mass.
National Twist Drill and Tool Co., Detroit, Mich.
Standard Tool Co., Cleveland, Ohio.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Druggists' Sundries, Glass.
(See Glassware, Druggists'.)

Druggists' Sundries, Rubber.
American Hard Rubber Co., New York.
Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., Tuckahoe, N. Y.
Lee Tire and Rubber Co., Conshohocken, Pa.
Miller Rubber Co., Akron, Ohio.
Parker, Stearns & Co., Brooklyn, N. Y.
United States Rubber Export Co., Ltd., New York.
Vulcanized Rubber Co., New York.
Whitall-Tatum Co., New York.

Drugs.
(See Chemicals; also Pharmaceutical Preparations.)

Drums, Steel.
(See also Cylinders, Steel.)
American Steel Package Co., Defiance, Ohio.
Federal Pressed Steel Co., Milwaukee, Wis.
Pressed Steel Tank Co., Milwaukee, Wis.

Dry Docks.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Manitowoc Ship Building Co., Manitowoc, Wis.
James Shewan & Sons, Inc., Brooklyn, N. Y.
Tietjen & Lang Dry Dock Co., Hoboken, N. J.

Dry Goods.
A. D. Juilliard & Co., New York.
Sears, Roebuck & Co., Chicago, Ill.

Dry Plates, Photographic.
G. Cramer Dry Plate Co., St. Louis, Mo.
Defender Photo Supply Co., Rochester, N. Y.
Eastman Kodak Co., Rochester, N. Y.

Dry Rooms, Steam.
American Blower Co., Detroit, Mich.

Dryers, Air.
Barnard & Leas Mfg. Co., Moline, Ill.

Dryers, Brick and Lumber.
American Blower Co., Detroit, Mich.
American Clay Machinery Co., Bucyrus, Ohio.
A. H. Andrews Co., Chicago, Ill.
C. O. Bartlett & Snow Co., Cleveland, Ohio.
Bonnot Co., Canton, Ohio.

Dryers, Centrifugal.
Wittemann Co., Buffalo, N. Y.

Dryers, Cloth and Felt.
H. W. Butterworth & Sons Co., Philadelphia, Pa.
Curtis & Marble Machine Co., Worcester, Mass.

Dryers, Coal.
Link-Belt Co., Chicago, Ill.
Manitowoc Boiler Works Co., Manitowoc, Wis.

Dryers, Fertilizer.
Brecht Co., St. Louis, Mo.
Manitowoc Boiler Works Co., Manitowoc, Wis.

Dryers, Grain.
Strong-Scott Mfg. Co., Minneapolis, Minn.

Dryers, Ink.
Ault & Wiborg Co., Cincinnati, Ohio.

Dryers, Paint and Varnish.
Allentown Mfg. Co., Allentown, Pa.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Emil Calman & Co., New York.

Dryers, Paint and Varnish—Cont.
Samuel H. French & Co., Philadelphia, Pa.
Hildreth Varnish Co., New York.
John Lucas & Co., Inc., Philadelphia, Pa.
Moller & Schumann Co., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
Eugene E. Nice, Philadelphia, Pa.
Peaslee-Gaulbert Co., Louisville, Ky.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
Standard Varnish Works, New York.
Toch Brothers, New York.

Dryers, Paper.
C. O. Bartlett & Snow Co., Cleveland, Ohio.

Dryers, Sand.
American Clay Machinery Co., Bucyrus, Ohio.
C. O. Bartlett & Snow Co., Cleveland, Ohio.
Littleford Brothers, Cincinnati, Ohio.
Manitowoc Boiler Works Co., Manitowoc, Wis.

Dryers, Tobacco.
John B. Adt Co., Baltimore, Md.
C. O. Bartlett & Snow Co., Cleveland, Ohio.

Dryers, Wool.
C. G. Sargent's Sons Corp., Graniteville, Mass.

Drying Apparatus, Steam.
American Blower Co., Detroit, Mich.
American Laundry Machinery Co., Cincinnati, Ohio.
Colorado Iron Works Co., Denver, Colo.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harrison Safety Boiler Works, Philadelphia, Pa.
National Pipe Bending Co., New Haven, Conn.
Ohio Blower Co., Cleveland, Ohio.
Warren Webster & Co., Camden, N. J.
Wittemann Co., Buffalo, N. Y.

Drying Apparatus, Vacuum.
Buffalo Foundry & Machine Co., Buffalo, N. Y.
L. O. Koven & Brother, Jersey City, N. J.
Werner & Pfleiderer, Saginaw, Mich.

Dumb Bells.
(See also Clubs, Indian.)
John Sommer Faucet Co., Newark, N. J.

Dumb Waiters.
General Elevator Co., New York.
Lamson Co., Boston, Mass.
Otis Elevator Co., New York.

Dumps, Car and Cart.
McMyler Interstate Co., Bedford, Ohio.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., Cleveland, Ohio.

Duplicating Apparatus.
A. B. Dick Co., Chicago, Ill.
Underwood Typewriter Co., New York.

Dust Collectors.

American Blower Co., Detroit, Mich.
Huntley Mfg. Co., Silver Creek, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind.
Sterling Blower Co., Hartford, Conn.
Strong-Scott Mfg. Co., Minneapolis, Minn.
B. F. Sturtevant Co., Boston, Mass.

Dusters, Bran.

Huntley Mfg. Co., Silver Creek, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind.

Dusters, Counter.

Wm. A. Tottle & Co., Inc., Baltimore, Md.

Dusters, Feather.

P. R. Mitchell Co., Cincinnati, Ohio.

Dyeing Materials.

American Dyewood Co., New York.
Bayer Co., Inc., New York.
Berlin Aniline Works, New York.
Bull's Ferry Chemical Co., New York.
Calco Chemical Co., Bound Brook, N. J.
Heller & Merz Co., New York.
Herman & Herman, Inc., New York.
Jamaica Dyewood and Chemical Co., New York.
Kalle Color and Chemical Co., New York.
Krebs Pigment and Chemical Co., Newport, Del.
Frank L. May & Co., Inc., New York.
Merck & Co., New York.
Herman A. Metz & Co., New York.
Monroe Drug Co., Quincy, Ill.
Mount Union Tanning and Extract Co., Mt. Union, Pa.
Republic Products Co., New York.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Aniline Products, Inc., New York.
Sunset Soap Dye Co., New Rochelle, N. Y.

Dyers and Bleachers of Straw, etc.

R. H. Comey Co., Inc., Camden, N. J.

Dyers and Finishers.

Algonquin Printing Co., Fall River, Mass.
Aspinook Co., Jewett City, Conn.
Atlas Finishing Co., Homestead, N. J.
Bellman Brook Bleachery Co., Fairview, N. J.
Bronx Co., New York.
A. Eichler & Co., Philadelphia, Pa.
Forstmann & Huffmann Co., Passaic, N. J.
Forsyth Dyeing Co., New Haven, Conn.
Joseph R. Foster & Sons, Philadelphia, Pa.
T. A. Harris Co., Philadelphia, Pa.
Kennedy & Britt, Philadelphia, Pa.
Lindale Bleach, Dye and Print Works, Rockaway, N. J.
G. J. Littlewood & Sons, Ltd., Philadelphia, Pa.
L. B. Luithlen Co., Inc., Philadelphia, Pa.
National Silk Dyeing Co., Paterson, N. J.
Oriental Silk Printing Co., Haledon, N. J.
I. E. Palmer Co., Middletown, Conn.
Parker Hosiery Mill and Dye Works, Portsmouth, Va.
Passaic Print Works, Passaic, N. J.
Philadelphia Dye Works, Philadelphia, Pa.
Pond Lily Co., New Haven, Conn.
Progressive Silk Finishing Co., Hoboken, N. J.
Standard Bleachery Co., Carlton Hill, N. J.

Dyers and Finishers—Cont.

Standard Silk Dyeing Co., Paterson, N. J.
Sussex Print Works, Newton, N. J.
United Piece Dye Works, Lodi, N. J.
United States Finishing Co., New York.
Waltham Bleachery and Dye Works, Waltham, Mass.
Worthen & Aldrich Co., New York.

Dyers and Finishers of Yarns.

Joseph R. Foster & Sons, Philadelphia, Pa.
T. A. Harris Co., Philadelphia, Pa.
G. J. Littlewood & Sons, Ltd., Philadelphia, Pa.
Robert D. Mason Co., Pawtucket, R. I.

Dyers, Fur.

A. Hollander & Son, New York.

Dyers of Skein Silk.

Hellwig Silk Dyeing Co., Philadelphia, Pa.
National Silk Dyeing Co., Paterson, N. J.
Standard Silk Dyeing Co., Paterson, N. J.
Weidmann Silk Dyeing Co., Paterson, N. J.

Dyewood Extracts.

American Dyewood Co., New York.
Berlin Aniline Works, New York.
Jamaica Dyewood and Chemical Co., New York.
Logwood Products Corp., New York.
Marden, Orth & Hastings Co., Inc., New York.
Herman A. Metz & Co., New York.
Mount Union Tanning and Extract Co., Mt. Union, Pa.

Dynamite.

(See Explosives.)

Dynamos.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Blower Co., Detroit, Mich.
Oscar Barnett Foundry Co., Irvington, N. J.
Electric Specialty Co., Stamford, Conn.
Fairbanks, Morse & Co., Chicago, Ill.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Jantz & Leist Electric Co., Cincinnati, Ohio.
Lincoln Electric Co., Cleveland, Ohio.
Manhattan Electrical Supply Co., New York.
August Mietz Corp., New York.
Robbins & Myers Co., Springfield, Ohio.
Sprague Electric Works of General Electric Co., New York.
B. F. Sturtevant Co., Boston, Mass.
Triumph Electric Co., Cincinnati, Ohio.
United States Headlight Co., Buffalo, N. Y.
Wagner Electric Mfg. Co., St. Louis, Mo.

Earthenware.

(See Pottery.)

Earthenware, Sanitary.

Thomas Maddock's Sons Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
Trenton Potteries Co., Trenton, N. J.

Eaves Troughs and Conductors, Wood.

A. T. Stearns Lumber Co., Boston, Mass.

Eaves Troughs, Metal.

Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.
David Lupton's Sons Co., Philadelphia, Pa.
Whitaker-Glessner Co., Wheeling, W. Va.

Ebonite.

Luzerne Rubber Co., Trenton, N. J.

Economizers, Fuel.

Gray-Hawley Mfg. Co., Detroit, Mich.
B. F. Sturtevant Co., Boston, Mass.

Egg Beaters.

Thomas Mills & Bro., Inc., Philadelphia, Pa.
Silver & Co., Brooklyn, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

Egg Carriers.

Chicago Mill and Lumber Co., Chicago, Ill.
Continental Paper Bag Co., New York.
Owosso Mfg. Co., Owosso, Mich.

Eggs, Canned.

Harding Cream Co., Omaha, Neb.

Ejectors.

American Injector Co., Detroit, Mich.
Manning, Maxwell & Moore, Inc., New York.
Penberthy Injector Co., Detroit, Mich.
Worthington Pump and Machinery Corp., New York.

Elastic Fabrics.

Samuel Buyer & Co., New York.
Everlastik, Inc., New York.

Elbows, Pipe.

(See Fittings, Steam, Gas and Water.)

Electrical Measuring Instruments.

Bijur Motor Lighting Co., Hoboken, N. J.
Duncan Electric Mfg. Co., La Fayette, Ind.
Interstate Electric Novelty Co., Brooklyn, N. Y.
D. S. Plumb, Newark, N. J.
Sangamo Electric Co., Springfield, Ill.
Sprague Electric Works of General Electric Co., New York.
Weston Electrical Instrument Co., Waverly Park, N. J.

Electrical Supplies.

Acheson Graphite Co., Niagara Falls, N. Y.
Acme Rubber Mfg. Co., Trenton, N. J.
Acorn Insulated Wire Co., Inc., Brooklyn, N. Y.
Frank Adam Electric Co., St. Louis, Mo.
American Blower Co., Detroit, Mich.
American Brass Co., Waterbury, Conn.
American Conduit Mfg. Co., Pittsburgh, Pa.
American Electrical Works, Phillipsdale, R. I.
American Hard Rubber Co., New York.
American Iron Products Co., New York.
American Vulcanized Fibre Co., Wilmington, Del.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Ansonia Electrical Co., Ansonia, Conn.
Arrow Electric Co., Hartford, Conn.
Automatic Electric Co., Chicago, Ill.

Electrical Supplies—Cont.

Baker & Co., Inc., Newark, N. J.
Belding Brothers & Co., New York.
Bosch Magneto Co., New York.
Bridgeport Brass Co., Bridgeport, Conn.
Cameron Electrical Mfg. Co., Inc., Ansonia, Conn.
Central Lumber Co., Chattanooga, Tenn.
Chase-Shawmut Co., Newburyport, Mass.
Colonial Sign and Insulator Co., Akron, Ohio.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Connecticut Telephone and Electric Co., Meriden, Conn.
Corning Glass Works, Corning, N. Y.
Crouse-Hinds Co., Syracuse, N. Y.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Cutter Electrical and Mfg. Co., Philadelphia, Pa.
D & W Fuse Co., Providence, R. I.
Dayton Mfg. Co., Dayton, Ohio.
Detroit Insulated Wire Co., Detroit, Mich.
Joseph Dixon Crucible Co., Jersey City, N. J.
Driver-Harris Wire Co., Harrison, N. J.
Duncan Electric Mfg. Co., La Fayette, Ind.
Charles D. Durkee & Co., New York.
Thomas A. Edison, Inc., Orange, N. J.
Faries Mfg. Co., Decatur, Ill.
Garford Mfg. Co., Elyria, Ohio.
Gas Engine and Power Co., & Charles L. Seabury & Co., Cons., New York.
General Electric Co., Schenectady, N. Y.
Globe Machine and Stamping Co., Cleveland, Ohio.
Hart Mfg. Co., Hartford, Conn.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Hemingray Glass Co., Covington, Ky.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Harvey Hubbell, Inc., Bridgeport, Conn.
Illinois Malleable Iron Co., Chicago, Ill.
Interstate Electric Novelty Co., Brooklyn, N. Y.
Jantz & Leist Electric Co., Cincinnati, O.
H. W. Johns-Manville Co., New York.
Johns-Pratt Co., Hartford, Conn.
Francis Keil & Son, New York.
Kellogg Switchboard and Supply Co., Chicago, Ill.
Kerite Insulated Wire and Cable Co., Inc., New York.
Lincoln Electric Co., Cleveland, Ohio.
M. S. Little Mfg. Co., Hartford, Conn.
F. H. Lovell & Co., Arlington, N. J.
Manhattan Electrical Supply Co., New York.
More-Jones Brass and Metal Co., St. Louis, Mo.
National Carbon Co., Cleveland, Ohio.
National Metal Molding Co., Pittsburgh, Pa.
Ohio Brass Co., Mansfield, Ohio.
Okonite Co., New York.
W. R. Ostrander & Co., New York.
Pass & Seymour, Inc., Syracuse, N. Y.
Phillips Insulated Wire Co., Pawtucket, R. I.
H. K. Porter, Everett, Mass.
Pyle-National Co., Chicago Ill.
Robbins & Myers Co., Springfield, Ohio.
John A. Roebling's Sons Co. of New York, New York.
Safety Insulated Wire and Cable Co., New York.
Sangamo Electric Co., Springfield, Ill.
Simplex Wire and Cable Co., Boston, Mass.

Electrical Supplies—Cont.

Sprague Electric Works of General Electric Co., New York.
Standard Underground Cable Co., Pittsburgh, Pa.
Star Porcelain Co., Trenton, N. J.
B. F. Sturtevant Co., Boston, Mass.
Trenton Porcelain Co., Trenton, N. J.
Triumph Electric Co., Cincinnati, Ohio.
Trumbull Electric Mfg. Co., Plainville, Conn.
United States Graphite Co., Saginaw, Mich.
Van Dorn & Dutton Co., Cleveland, Ohio.
Vulcanized Rubber Co., New York.
Wagner Electric Mfg. Co., St. Louis, Mo.
Waterbury Battery Co., Waterbury, Conn.
Weber Electric Co., Schenectady, N. Y.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.
Yost Electric Mfg. Co., Toledo, Ohio.

Electro-Magnets.

Acme Wire Co., New Haven, Conn.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Electric Controller and Mfg. Co., Cleveland, Ohio.

Electro-Medical Apparatus.

Kny-Scheerer Co., New York.
Manhattan Electrical Supply Co., New York.

Electrodes.

Acheson Graphite Co., Niagara Falls, N. Y.
Grasselli Chemical Co., New York.
W. S. Hough, Jr., Co., Providence, R. I.
Seymour Mfg. Co., Seymour, Conn.

Electroplating.

William Vogel & Bros., Inc., Brooklyn, N. Y.

Electrotypers.

Commercial Printing and Lithographing Co., Akron, Ohio.
R. R. Donnelley & Sons Co., Chicago, Ill.
J. Manz Engraving Co., Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.
Rapid Electrotype Co., Cincinnati, Ohio.
F. A. Ringler Co., New York.

Elevator Cabs and Enclosures.

Adlerhurst Iron Co. New Haven, Conn.
Cheney Bigelow Wire Works, Springfield, Mass.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Dow Wire and Iron Works, Louisville, Ky.
Hecla Iron Works, Brooklyn, N. Y.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
W. S. Tyler Co., Cleveland, Ohio.

Elevators, Cotton.

Continental Gin Co., Birmingham, Ala.

Elevators, Freight.

John B. Adt Co., Baltimore, Md.
American Elevator and Machine Co., Louisville, Ky.
Baker Iron Works, Los Angeles, Cal.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.
Dow Wire and Iron Works, Louisville, Ky.
Eastern Machinery Co., New Haven, Conn.
General Elevator Co., New York.

Elevators, Freight—Cont.

Haughton Elevator and Machine Co., Toledo, Ohio.
Llewellyn Iron Works, Los Angeles, Cal.
Marshall Brothers Co., Pittsburgh, Pa.
Otis Elevtor Co., New York.

Elevators, Grain.

Barnard & Leas Mfg. Co., Moline, Ill.
Barnett & Record Co., Minneapolis Minn.
Diamond Iron Works, Minneapolis, Minn.
Hart Grain Weigher Co., Peoria, Ill.
Huntley Mfg. Co., Silver Creek, N. Y.
Link-Belt Co., Chicago, Ill.
Nordyke & Marmon Co., Indianapolis, Ind.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Sandwich Mfg. Co., Sandwich, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Union Iron Works, Decatur, Ill.

Elevators, Link Belt.

Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Meese & Gottfried Co., San Francisco, Cal.
Stephens-Adamson Mfg. Co., Aurora Ill.

Elevators, Passenger.

American Elevator and Machine Co., Louisville, Ky.
Baker Iron Works, Los Angeles, Cal.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.
Eastern Machinery Co., New Haven, Conn.
General Elevator Co., New York.
Haughton Elevator and Machine Co., Toledo, Ohio.
Llewellyn Iron Works, Los Angeles, Cal.
Marshall Brothers Co., Pittsburgh, Pa.
Otis Elevator Co., New York.

Elevators, Water.

Jeffrey Mfg. Co., Columbus Ohio.
Link-Belt Co., Chicago, Ill.

Elixirs.

Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.

Emblems, Fraternity.

Iron & Russell Co. Providence, R. I.

Embossing Plates (for Leather).

(See Plates, Embossing, Leather.)

Embroideries.

Campbell, Metzger & Jacobson, New York.
William Meyer & Co., New York.
P. K. Wilson & Son, New York.

Embroidery Materials.

Bernhard Ulmann Co., Inc., New York.

Emery.

Chicago Wheel and Mfg. Co., Chicago, Ill.
Pittsburgh Crushed Steel Co., Pittsburgh, Pa.
Vitrified Wheel Co., Westfield, Mass.

Emery Paper and Cloth.

American Glue Co., Boston, Mass.
Herman Behr & Co., New York.

Emery Wheels.

(See Wheels, Emery and Corundum.)

Enamelers on Wood.

Baker, McMillan Co., Akron, Ohio.

Enamels.
Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Berry Brothers, Detroit, Mich.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Emil Calman & Co., New York.
Chicago Varnish Co., Chicago, Ill.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Samuel H. French & Co., Philadelphia, Pa.
General Bakelite Co., New York.
Gerstendorfer Brothers, New York.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hildreth Varnish Co., New York.
John Lucas & Co., Inc., Philadelphia, Pa.
McDougall Paint Co., Inc., Buffalo, N. Y.
Marietta Paint and Color Co., Marietta, Ohio.
Moller & Schumann Co., Brooklyn, N. Y.
Benjamin Moore & Co., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
National Railway Appliance Co., New York.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., Philadelphia, Pa.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
Standard Varnish Works, New York.
Toch Brothers, New York.
United States Metal and Mfg. Co., New York.
Valentine & Co., New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Engineers.
Bates & Rogers Construction Co., Chicago, Ill.
Brann & Stuart Co., Philadelphia, Pa.
Consolidated Engineering Co., Baltimore, Md.
Federal Bridge and Structural Co., Waukesha, Wis.
John W. Ferguson Co., Paterson, N. J.
W. & A. Fletcher Co., Hoboken, N. J.
Friedman, Robertson & Keeler, New York.
G. M. Gest, New York.
Jobson-Gifford Co., New York.
Levgar Structural Co., New York.
Fred T. Ley & Co., Inc., Springfield, Mass.
Link-Belt Co., Chicago, Ill.
Pittsburgh Bridge and Iron Works, Rochester, Pa.
Pittsburgh Valve, Foundry and Construction Co., Pitsburgh, Pa.
Snare & Triest Co., New York.
Stearns-Rogers Mfg. Co., Denver, Colo.
James Stewart & Co., Inc., New York.
J. G. White & Co., Inc., New York.

Engineers and Constructors, Steel Plant.
Pennsylvania Engineering Works, New Castle, Pa.

Engineers, Inspection.
Gulick-Henderson Co., New York.

Engineers, Refrigeration.
Friedman, Robertson & Keeler, New York.

Engines, Alcohol.
Fairbanks, Morse & Co., Chicago, Ill.
August Mietz Corp., New York.
"New-Way" Motor Co., Lansing, Mich.
Wolverine Motor Works, Inc., Bridgeport, Conn.

Engines, Automobile.
Continental Motors Corp., Detroit, Mich.
Ferro Machine and Foundry Co., Cleveland, Ohio.
General Motors Corp., Detroit, Mich.
Root & Van Dervoort Enginering Co., East Moline, Ill.

Engines, Blowing.
Mesta Machine Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Engines, Caterpillar.
Holt Mfg. Co., Stockton, Cal.

Engines, Dental.
Consolidated Dental Mfg. Co., New York.
Ritter Dental Mfg. Co., Rochester, N. Y.

Engines, Distillate.
Fairbanks, Morse & Co., Chicago, Ill.
"New-Way" Motor Co., Lansing, Mich.
Standard Gas Engine Co., San Francisco, Cal.
Worthington Pump and Machinery Corp., New York.

Engines, Drilling.
Jeffrey Mfg. Co., Columbus, Ohio.
Keystone Driller Co., Beaver Falls, Pa.
Oil Well Supply Co., Pittsburgh, Pa.

Engines, Gas and Gasoline.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Buffalo Gasolene Motor Co., Buffalo, N. Y.
Buffalo Pitts Co., Buffalo, N. Y.
C. & G. Cooper Co., Mount Vernon, Ohio.
Emerson-Brantingham Co., Rockford, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
A. B. Farquhar & Co., New York.
Ferro Machine and Foundry Co., Cleveland, Ohio.
Flint & Walling Mfg. Co., Kendallville, Ind.
Gas Engine and Power Co., & Charles L. Seabury & Co., Consolidated, New York.
Hercules Gas Engine Co., Evansville, Ind.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
International Harvester Corp., Chicago, Ill.
Carlyle Johnson Machine Co., Manchester, Conn.
Kahlenberg Bros. Co., Two Rivers, Wis.
Lansing Co., Lansing, Mich.
C. A. Lawton Co., De Pere, Wis.
Lidgerwood Mfg. Co., New York.
Mesta Machine Co., Pittsburgh, Pa.
August Mietz Corp., New York.
National Meter Co., New York.
"New-Way" Motor Co., Lansing, Mich.
Nilson-Miller Co., Hoboken, N. J.
Nordberg Mfg. Co., Milwaukee, Wis.
Oil Well Supply Co., Pittsburgh, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Root & Van Dervoort Engineering Co., East Moline, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Scripps Motor Co., Detroit, Mich.
Sharples Separator Co., West Chester, Pa.
Spang & Co., Butler, Pa.
Standard Gas Engine Co., San Francisco, Cal.
Standard Motor Construction Co., Jersey City, N. J.
Sterling Engine Co., Buffalo, N. Y.
Teeter-Hartley Motor Co., Hagerstown, Ind.

Engines, Gas and Gasoline—Cont.
Union Tool Co., Los Angeles, Cal.
Westinghouse Machine Co., East Pittsburgh, Pa.
Wolverine Motor Works, Inc., Bridgeport, Conn.
Worthington Pump and Machinery Corp., New York.

Engines, Harvesting.
"New-Way" Motor Co., Lansing, Mich.

Engines, High Speed.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Erie City Iron Works, Erie, Pa.
Ferro Machine and Foundry Co., Cleveland, Ohio.
Harrisburg Foundry and Machine Works, Harrisburg, Pa.
Mesta Machine Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Engines, Hoisting.
John B. Adt Co., Baltimore, Md.
American Engineering Co., Philadelphia, Pa.
American Hoist and Derrick Co., St. Paul, Minn.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Clyde Iron Works, Duluth, Minn.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Filer & Stowell Co., Milwaukee, Wis.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Lambert Hoisting Engine Co., Newark, N. J.
Lidgerwood Mfg. Co., New York.
Mead-Morrison Mfg. Co., Cambridge, Mass.
Mesta Machine Co., Pittsburgh, Pa.
August Mietz Corp., New York.
Minneapolis Steel and Machinery Co., Minneapolis, Minn.
Nordberg Mfg. Co., Milwaukee, Wis.
Puget Sound Iron and Steel Works, Tacoma, Wash.
Ransome Concrete Machinery Co., Dunellen, N. J.
Standard Gas Engine Co., San Francisco, Cal.
Stearns-Roger Mfg. Co., Denver, Colo.
Sumner Iron Works, Everett, Wash.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.

Engines, Hot Air.
Rider-Ericsson Engine Co., New York.

Engines, Kerosene.
Hercules Gas Engine Co., Evansville, Ind.
Kahlenberg Bros. Co., Two Rivers, Wis.
August Mietz Corp., New York.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sandwich Mfg. Co., Sandwich, Ill.
Scripps Motor Co., Detroit, Mich.
Wolverine Motor Works, Inc., Bridgeport, Conn.
Worthington Pump and Machinery Corp., New York.

Engines, Marine Type.
Atlantic Works, East Boston, Mass.
Bath Iron Works, Ltd., Bath, Me.
Buffalo Gasolene Motor Co., Buffalo, N. Y.

Engines, Marine Type—Cont.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Ellicott Machine Corp., Baltimore, Md.
Fairbanks, Morse & Co., Chicago, Ill.
Ferro Machine and Foundry Co., Cleveland, Ohio.
W. & A. Fletcher, Hoboken, N. J.
Gas Engine and Power Co. & Charles L. Seabury & Co., Consolidated, New York.
Great Lakes Engineering Works, Detroit, Mich.
Harlan & Hollingsworth Corp., Wilmington, Del.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
August Mietz Corp., New York.
New York Shipbuilding Corp., Camden, N. J.
Puget Sound Iron and Steel Works, Tacoma, Wash.
James Rees & Sons Co., Pittsburgh, Pa.
Remington Oil Engine Co., New York.
Scripps Motor Co., Detroit, Mich.
Standard Gas Engine Co., San Francisco, Cal.
Standard Motor Construction Co., Jersey City, N. J.
Sterling Engine Co., Buffalo, N. Y.
Sumner Iron Works, Everett, Wash.
Weiss Engine Co., New York.
Willamette Iron and Steel Works, Portland, Ore.
Wolverine Motor Works, Inc., Bridgeport, Conn.

Engines, Oil.
De La Vergne Machine Co., New York.
Diamond Iron Works, Minneapolis, Minn.
Fairbanks, Morse & Co., Chicago, Ill.
International Harvester Corp., Chicago, Ill.
Kahlenberg Bros. Co., Two Rivers, Wis.
August Mietz Corp., New York.
Minneapolis Steel and Machine Co., Minneapolis, Minn.
"New Way" Motor Co., Lansing, Mich.
Nilson-Miller Co., Hoboken, N. J.
Nordberg Mfg. Co., Milwaukee, Wis.
Remington Oil Engine Co., New York.
Standard Motor Construction Co., Jersey City, N. J.
Weiss Engine Co., New York.
Wolverine Motor Works, Inc., Bridgeport, Conn.
Worthington Pump and Machinery Corp., New York.

Engines, Plowing.
Huber Mfg. Co., Inc., Marion, Ohio.

Engines, Portable.
Advance-Rumely Thresher Co., La Porte, Ind.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Buffalo Pitts Co., Buffalo, N. Y.
J. I. Case Threshing Machine Co., Inc., Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
Erie City Iron Works, Erie, Pa.
Fairbanks, Morse & Co., Chicago, Illl.
A. B. Farquhar & Co., New York.
Frick Co., Waynesboro, Pa.
Huber Mfg. Co., Inc., Marion, Ohio.
International Harvester Corp., Chicago, Ill.
Lidgerwood Mfg. Co., New York.
August Mietz Corp., New York.

Engines, Pumping.
(See also Pumps, Steam.)
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
John H. McGowan Co., Cincinnati, Ohio.
August Mietz Corp., New York.
Oil Well Supply Co., Pittsburgh, Pa.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Engines, Railroad.
(See Locomotives, Steam.)

Engines, Steam.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Blower Co., Detroit, Mich.
Bass Foundry and Machine Co., Ft. Wayne, Ind.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Continental Gin Co., Birmingham, Ala.
C. & G. Cooper Co., Mount Vernon, Ohio.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harrisburg Foundry and Machine Works, Harrisburg, Pa.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Mesta Machine Co., Pittsburgh, Pa.
Morris Machine Works, Baldwinsville, N. Y.
Nordberg Mfg. Co., Milwaukee, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
Skinner Engine Co., Erie, Pa.
Standard Gas Engine Co., San Francisco, Cal.
B. F. Sturtevant Co., Boston, Mass.
Sumner Iron Works, Stockton, Cal.
Union Iron Works, Spokane, Wash.
Vilter Mfg. Co., Milwaukee, Wis.
Watts-Campbell Co., Newark, N. J.
Wellman-Seaver-Morgan Co., Cleveland, O.
Worthington Pump and Machinery Corp., New York.

Engines, Storage Battery.
Automatic Transportation Co., Buffalo, N. Y.

Engines, Traction.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Buffalo Pitts Co., Buffalo, N. Y.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
Frick Co., Waynesboro, Pa.
Holt Mfg. Co., Stockton, Cal.
Huber Mfg. Co., Inc., Marion, Ohio.
International Harvester Corp., Chicago, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Samson-Sieve Grip Tractor Co., Stockton, Cal.

Engravers, Copper.
Brandon Printing Co., Nashville, Tenn.
Courier-Journal Job Printing Co., Louisville, Ky.

Engravers, Copper—Cont.
R. R. Donnelley & Sons Co., Chicago, Ill.
Forman-Bassett Co., Cleveland, Ohio.
Joseph Mack Printing House, Detroit, Mich.
J. Manz Engraving Co., Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.
Thomas & George M. Stone, Newark, N. J.

Engravers, Half-Tone.
Bartlett-Orr Press, New York.
Brandon Printing Co., Nashville, Tenn.
Courier-Journal Job Printing Co., Louisville, Ky.
R. R. Donnelley & Sons Co., Chicago, Ill.
Evans-Winter-Hebb, Inc., Detroit, Mich.
Forman-Bassett Co., Cleveland, Ohio.
Homestead Co., Des Moines, Iowa.
Joseph Mack Printing House, Detroit, Mich.
J. Manz Engraving Co., Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.
F. A. Ringler Co., New York.
Rogers & Co., Inc., Chicago, Ill.
Strobridge Lithographing Co., Cincinnati, O.
Taber-Prang Art Co., Springfield, Mass.

Engravers, Map.
Brandon Printing Co., Nashville, Tenn.
Poole Brothers, Chicago, Ill.
Rand, McNally & Co., Chicago, Ill.

Engravers, Steel and Copper Embossing Roll.
Thomas & George M. Stone, Newark, N. J.

Engravers, Wood.
Commercial Printing and Lithographing Co., Akron, Ohio.
Rand, McNally & Co., Chicago, Ill.
F. A. Ringler Co., New York.

Envelopes.
Birnie Paper Co., Springfield, Mass.
J. C. Blair Co., Huntingdon, Pa.
Buffalo Envelope Co., Buffalo, N. Y.
Carter, Rice & Co. Corp., Boston, Mass.
Continental Paper Mfg. Co., New York.
Eaton, Crane & Pike Co., Pittsfield, Mass.
R. L. Greene Paper Co., Providence, R. I.
Heywood Mfg. Co., Minneapolis, Minn.
E. J. Spangler Co., Philadelphia, Pa.
Thompson & Norris Co., Brooklyn, N. Y.
United States Paper Goods Co., Cincinnati, Ohio.

Envelopes, Calendar.
Hinde & Dauch Paper Co., Sandusky, Ohio.

Erasers, Rubber.
Eberhard Faber, Brooklyn, N. Y.
B. F. Goodrich Co., Akron, Ohio.

Escalators.
Otis Elevator Co., New York.

Ether, Sulphuric.
Albany Chemical Co., Albany, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Evaporators, Fruit.
Brecht Co., St. Louis, Mo.

Evaporators, Sugar.
E. B. Badger & Sons Co., Boston, Mass.
Birmingham Machine and Foundry Co., Birmingham, Ala.

Evaporators, Sugar—Cont.
Blymyer Iron Works Co., Cincinnati, Ohio.
Brecht Co., St. Louis, Mo.
Buffalo Foundry and Machine Co., Buffalo, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.

Excavators.
(See Dredgers.)

Exhaust Heads.
Ohio Blower Co., Cleveland, Ohio.
B. F. Sturtevant Co., Boston, Mass.

Expanded Metal Lath, Etc.
(See Metal, Expanded.)

Expansion Bolts.
(See Bolts, Expansion.)

Explosives.
Austin Powder Co., Cleveland, Ohio.
Equitable Powder Mfg. Co., East Alton, Ill.
Hercules Powder Co., Wilmington, Del.
United States Powder Co., Terre Haute, Ind.

Export Publications.
J. Shepherd Clark Co., New York.
Steven de Csesznak, Inc., New York.

Extractors, Grease.
Elliott Co., Pittsburgh, Pa.

Extractors, Honey and Wax.
A. I. Root Co., Medina, Ohio.

Extracts, Flavoring.
A. Colburn Co., Philadelphia, Pa.
Dodge & Olcott Co., New York.
E. R. Durkee & Co., New York.
Jones Brothers Tea Co., Brooklyn, N. Y.
H. Kohnstamm & Co., New York.
Larkin Co., Buffalo, N. Y.
Magnus, Mabee & Reynard, Inc., New York.
Stickney & Poor Spice Co., Boston, Mass.
Van Dyk & Co., Inc., New York.
W. & H. Walker, Pittsburgh, Pa.
Montgomery Ward & Co., Chicago, Ill.

Extracts, Meat.
(See Beef Products.)

Extracts, Perfumery.
(See Perfumes and Extracts.)

Extracts, Pharmaceutical.
Eli Lilly & Co., Indianapolis, Ind.
Magnus, Mabee & Reynard, Inc., New York.
Parke, Davis & Co., Detroit, Mich.

Extracts, Tanning.
Bull's Ferry Chemical Co., New York.
Mt. Union Tanning and Extract Co., Mt. Union, Pa.
New York Quebracho Extract Co., New York.

Eyeglasses and Spectacles.
Rueff Brothers, New York.

Eyelet Sets.
L. A. Sayre Co., Newark, N. J.

Eyelets.
American Brass Co., Waterbury, Conn.
American Ring Co., New York.
Robert N. Bassett Co., New York.
Platt Bros. & Co., Waterbury, Conn.

Fab-rik-o-na Woven Wall Coverings.
H. B. Wiggin's Sons Co., Bloomfield, N. J.

Faience.
American Encaustic Tiling Co., Ltd., New York.
Rookwood Pottery Co., Cincinnati, Ohio.

Fans, Electric, Ceiling and Desk.
A. C. Gilbert Co., New Haven, Conn.
Robbins & Myers Co., Springfield, Ohio.
Sprague Electric Works of General Electric Co., New York.
B. F. Sturtevant Co., Boston, Mass.

Fans, Exhaust.
American Blower Co., Detroit, Mich.
American Clay Machinery Co., Bucyrus, Ohio.
Champion Blower and Forge Co., Lancaster, Pa.
Duncan Foundry and Machine Works, Alton, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Schütte & Koerting Co., Philadelphia, Pa.
B. F. Sturtevant Co., Boston, Mass.

Fasteners, Box.
Cary Mfg. Co., New York.
Stanley Works, New Britain, Conn.

Fasteners, Paper.
Consolidated Safety Pin Co., Bloomfield, N. J.
H. C. Cook Co., Ansonia, Conn.
De Long Hook and Eye Co., Philadelphia, Pa.
Samuel C. Tatum Co., Cincinnati, Ohio.

Fasteners, Snap.
Alma Mfg. Co., Baltimore, Md.
Autoyre Co., Oakville, Conn.
Samuel Buyer & Co., New York.
Crandal, Stone & Co., Binghamton, N. Y.
De Long Hook and Eye Co., Philadelphia, Pa.
Samstag & Hilder Brothers, New York.

Fat, Wool.
North Star Chemical Co., Lawrence, Mass.

Faucets, Beer.
Bishop-Babcock-Becker Co., Cleveland, O.
Haydenville Co., Haydenville, Mass.
John Sommer Faucet Co., Newark, N. J.
Wittemann Co., Buffalo, N. Y.

Faucets, Brass.
H. Mueller Mfg. Co., Decatur, Ill.

Faucets, Self-Measuring.
S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.

Faucets, Wooden.
John Sommer Faucet Co., Newark, N. J.

Feed, Dairy and Poultry.
Darling & Co., Chicago, Ill.
Pillsbury Flour Mill Co., Minneapolis, Minn.
Quaker Oats Co., Chicago, Ill.
Sperry Flour Co., San Francisco, Cal.
Stanard-Tilton Milling Co., St. Louis, Mo.
Washburn-Crosby Co., Minneapolis, Minn.
Zenith Milling Co., Kansas City, Mo.

Feed, Gluten.
Corn Products Refining Co., New York.
Douglas Co., Cedar Rapids, Iowa.

Feed, Stock.

American Hominy Co., Indianapolis, Ind.
Ballard & Ballard Co., Louisville, Ky.
Cleveland Milling Co., Cleveland, Ohio.
Corn Products Refining Co., New York.
Donmeyer-Gardner Co., Peoria, Ill.
Igleheart Brothers, Evansville, Ind.
W. J. Jennison Co., Minneapolis, Minn.
Ph. H. Postel Milling Co., Mascoutah, Ill.
Quaker Oats Co., Chicago, Ill.
Sheffield-King Milling Co., Minneapolis, Minn.
Southern Cotton Oil Co., New York.
Sperry Flour Co., San Francisco, Cal.
Stanard-Tilton Milling Co., St. Louis, Mo.
Montgomery Ward & Co., Chicago, Ill.
Washburn-Crosby Co., Minneapolis, Minn.

Felt, Fireproof.

Paraffine Paint Co., San Francisco, Cal.

Felt, Hair.

S. Stroock & Co., New York.

Felts, Harness and Saddlery.

S. Stroock & Co., New York.

Felts, Hat.

S. Stroock & Co., New York.

Felts, Mechanical.

S. Stroock & Co., New York.
Joseph Wild & Co., New York.

Felt, Papermakers'.

Albany Felt Co., Albany, N. Y.
American Multiple Fabric Co., Providence, R. I.
William E. Hooper & Sons Co., Baltimore, Md.
F. C. Huyck & Sons, Rensselaer, N. Y.
Orr Felt and Blanket Co., Piqua, Ohio.
Shuler & Benninghofen, Hamilton, Ohio.

Felt, Piano and Organ.

S. Stroock & Co., New York.

Felt, Roofing and Sheathing.

Certain-teed Products Corp., St. Louis, Mo.
H. W. Johns-Manville Co., New York.
John Lang Paper Co., Philadelphia, Pa.
Paraffine Paint Co., San Francisco, Cal.

Felt, Shoe.

S. Stroock & Co., New York.

Felt, Surgical.

S. Stroock & Co., New York.

Felt, Upholstery.

S. Stroock & Co., New York.

Felt, Wool.

S. Stroock & Co., New York.

Fences, Steel.

Anchor Post Iron Works, New York.

Fences, Wire.

(See Wire Fencing.)

Fences, Wrought Iron.

Adlerhurst Iron Co., New Haven, Conn.
Anchor Post Iron Works, New York.
Dow Wire and Iron Works, Louisville, Ky.
Hecla Iron Works, Brooklyn, New York.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Ferro Alloys.

Electro Metallurgical Co., New York.
Primos Chemical Co., Primos, Pa.

Ferrochrome.

Electro Metallurgical Co., New York.
Frank L. May & Co., Inc., New York.

Ferromanganese.

Rogers, Brown & Co., Cincinnati, Ohio.

Ferromolybdenum.

Frank L. May & Co., Inc., New York.
Primos Chemical Co., Primos, Pa.

Ferronickel.

Electro Metallurgical Co., New York.

Ferrosilicon.

Ashland Iron and Mining Co., Ashland, Ky.
Electro Metallurgical Co., New York.
Rogers, Brown & Co., Cincinnati, Ohio.

Ferrotungsten.

Electro Metallurgical Co., New York.
Primos Chemical Co., Primos, Pa.

Ferrovanadium.

Electro Metallurgical Co., New York.
Frank L. May & Co., Inc., New York.
Primos Chemical Co., Primos, Pa.

Ferrules.

Gaynor Mfg. Co., Bridgeport, Conn.

Ferry House Equipment.

J. Edward Ogden Co., Inc., New York.

Fertilizer Distributors.

(See also Spreaders, Manure.)

Bateman Mfg. Co., Grenloch, N. J.
D. M. Sechler Implement and Carriage Co., Moline, Ill.

Fertilizers.

G. S. Alexander & Co., Inc., New York.
American Glue Co., Boston, Mass.
Baker Castor Oil Co., New York.
Consolidated Rendering Co., Boston, Mass.
Cudahy Packing Co., Chicago, Ill.
Darling & Co., Chicago, Ill.
Eastern Tanners Glue Co., Gowanda, N. Y.
Grasselli Chemical Co., Cleveland, Ohio.
International Agricultural Corp., New York.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.
Knickerbocker Lime Co., Philadelphia, Pa.
Morris & Co., Chicago, Ill.
Richmond Guano Co., Richmond, Va.
F. S. Royster Guano Co., Norfolk, Va.
Swift & Co., Chicago, Ill.
F. W. Tunnell & Co., Philadelphia, Pa.
Union Meat Co., Portland, Ore.
Virginia-Carolina Chemical Co., Richmond, Va.

Fiberloid.

Fiberloid Co., Indian Orchard, Mass.

Fibre Boards.

American Vulcanized Fibre Co., Wilmington, Del.
Diamond State Fibre Co., Bridgeport, Pa.
National Fibre Board Co., Boston, Mass.
George Stratford Oakum Co., Jersey City, N. J.

Fibre, Trunk and Suit Case.
American Vulcanized Fibre Co., Wilmington, Del.

Fibre, Vulcanized.
American Vulcanized Fibre Co., Wilmington, Del.
Diamond State Fibre Co., Bridgeport, Pa.

Files and Rasps.
G. & H. Barnett Co., Philadelphia, Pa.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Heller Brothers Co., Newark, N. J.
Nicholson File Co., Providence, R. I.
Simonds Mfg. Co., Fitchburg, Mass.

Files, Letter.
Baker-Vawter Co., Benton Harbor, Mich.
Browne-Morse Co., Muskegon, Mich.
Globe-Wernicke Co., Cincinnati, Ohio.
Macey Co., Grand Rapids, Mich.
Shaw-Walker Co., Muskegon, Mich.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Files, Nail.
(See Nail Files.)

Filing Devices, Office.
(See also Files, Letter.)
Baker-Vawter Co., Benton Harbor, Mich.
Browne-Morse Co., Muskegon, Mich.
Forman-Bassett Co., Cleveland, Ohio.
Globe-Wernicke Co., Cincinnati, Ohio.
Irving-Pitt Mfg. Co., Kansas City, Mo.
William G. Johnston & Co., Pittsburgh, Pa.
Safe-Cabinet Co., Marietta, Ohio.
Shaw-Walker Co., Muskegon, Mich.
Samuel C. Tatum Co., Cincinnati, Ohio.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Fillers, Liquid and Paste.
(See Wood Fillers and Iron Fillers.)

Films, Motion Picture.
Eastman Kodak Co., Rochester, N. Y.
Thomas A. Edison, Inc., Orange, N. J.

Films, Transparent, Photographic.
Ansco Co., Binghamton, N. Y.
Eastman Kodak Co., Rochester, N. Y.

Filter Fabrics.
Anchor Duck Mills, Rome, Ga.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
West Boylston Mfg. Co., Easthampton, Mass.

Filters, Oil.
National Valve and Mfg. Co., Pittsburgh, Pa.

Filters, Water.
American Steam Gauge and Valve Co., Boston, Mass.
Elliott Co., Pittsburgh, Pa.
Norwood Engineering Co., Florence, Mass.

Filtration Plants.
Norwood Engineering Co., Florence, Mass.

Finishers.
(See Dyers and Finishers.)

Finishers of Yarns.
(See Dyers and Finishers of Yarns.)

Fire Alarms.
Gamewell Fire Alarm Telegraph Co., New York.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Klaxon Co., Newark, N. J.
W. R. Ostrander & Co., New York.

Fire Apparatus, Automobile.
White Co., Cleveland, Ohio.

Fire Clay.
(See Clay, Fire, Pot and other.)

Fire Department Equipment.
Gamewell Fire Alarm Telegraph Co., New York.
Klaxon Co., Newark, N. J.
McKinnon Dash Co., Buffalo, N. Y.
Andrew J. Morse & Son, Inc., Boston, Mass.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Rossendale-Reddaway Belting and Hose Co., Newark, N. J.

Fire Escapes.
Adlerhurst Iron Co., New Haven, Conn.
Dow Wire and Iron Works, Louisville, Ky.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Taylor & Dean, Pittsburgh, Pa.

Fire Extinguishers, Automatic.
Automatic Sprinkler Co. of America, New York.
General Fire Extinguisher Co., Providence, R. I.
Globe Automatic Sprinkler Co., Philadelphia, Pa.
Nathan Mfg. Co., New York.
H. G. Vogel Co., New York.

Fire Extinguishers, Chemical.
H. W. Johns-Manville Co., New York.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Pyrene Mfg. Co., New York.
Safety Fire Extinguisher Co., New York.

Fire Pots, Gasoline.
(See Furnaces, Soldering.)

Firearms.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Crescent Firearms Co., Norwich, Conn.
Harrington & Richardson Arms Co., Worcester, Mass.
Charles Parker Co., Meriden, Conn.
Smith & Wesson, Springfield, Mass.
Winchester Repeating Arms Co., New Haven, Conn.

Fireplace Trimmings.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Ohio Foundry and Mfg. Co., Steubenville, Ohio.

Fireproof Materials for Buildings.
Berger Mfg. Co., Canton, Ohio.
Detroit Steel Products Co., Detroit, Mich.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Edwards Mfg. Co., Cincinnati, Ohio.
Evens & Howard Fire Brick Co., St. Louis, Mo.

Fireproof Materials for Buildings—Cont.

H. W. Johns-Manville Co., New York.
Keasbey & Mattison Co., Ambler, Pa.
Klauer Mfg. Co., Dubuque, Iowa.
Milwaukee Corrugating Co., Milwaukee, Wis.
National Fire Proofing Co., Pittsburgh, Pa.
Robinson Clay Products Co., Akron, Ohio.
Trussed Concrete Steel Co., Youngstown, O.

Fireproof Seating for Railway Cars.

Hale & Kilburn Co., Philadelphia, Pa.

First Aid Kits.

Pyrene Mfg. Co., New York.
C. F. Rumpp & Sons, Inc., Philadelphia, Pa.

Fish, Canned.

Alaska Packers' Association, San Francisco, Cal.
Libby, McNeill & Libby, Inc., Chicago, Ill.
Pacific American Fisheries, Bellinghouse, Wash.
Warren Packing Co., Portland, Ore.

Fishing Rod Mountings.

Horton Mfg. Co., Bristol, Conn.
John Sommer Faucet Co., Newark, N. J.

Fishing Rods, Steel.

Horton Mfg. Co., Bristol, Conn.

Fishing Tackle.

Andrew B. Hendryx Co., New Haven, Conn.

Fishing Tools.

(See also Tools, Drilling.)

Oil Well Supply Co., Pittsburgh, Pa.
Spang & Co., Butler, Pa.
Star Drilling Machine Co., Akron, Ohio.

Fittings, Acid.

William Powell Co., Cincinnati, Ohio.
Roe Stephens Mfg. Co., Detroit, Mich.

Fittings, Ammonia.

Frick Co., Waynesboro, Pa.
Triumph Electric Co., Cincinnati, Ohio.
Vilter Mfg. Co., Milwaukee, Wis.
Henry Vogt Machine Co., Louisville, Ky.
York Mfg. Co., York, Pa.

Fittings, Malleable Pipe.

Crane Co., Chicago, Ill.
Davies & Thomas Co., Catasauqua, Pa.
Stanley G. Flagg & Co., Philadelphia, Pa.
Illinois Malleable Iron Co., Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Malleable Iron Fittings Co., Branford, Conn.

Fittings, Steam, Gas and Water.

(See also Valves, Steam, Gas and Water.)

American District Steam Co., North Tonawanda, N. Y.
American Injector Co., Detroit, Mich.
American Vulcanized Fibre Co., Wilmington, Del.
Central Foundry Co., New York.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co., Chicago, Ill.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Stanley G. Flagg & Co., Philadelphia, Pa.
General Fire Extinguisher Co., Providence, R. I.

Fittings, Steam, Gas and Water—Cont.

Glamorgan Pipe and Foundry Co., Lynchburg, Va.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co., Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Brothers, New York.
Jenkins Mfg. Co., Bloomfield, N. J.
Kuhns Brothers, Dayton, Ohio.
Ludlow Valve Mfg. Co., Troy, N. Y.
Lunkenheimer Co., Cincinnati, Ohio.
Malleable Iron Fittings Co., Branford, Conn.
Nathan Mfg. Co., New York.
National Valve and Mfg. Co., Pittsburgh, Pa.
N. O. Nelson Mfg. Co., St. Louis, Mo.
New Haven Screw Co, New Haven, Conn.
Peck Bros. & Co., New Haven, Conn.
Pittsburgh Piping and Equipment Co., Pittsburgh, Pa.
Pittsburgh Valve, Foundry and Construction Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.
A. P. Smith Mfg. Co., East Orange, N. J.
Speakman Supply and Pipe Co., Wilmington, Del.
Roe Stephens Mfg. Co., Detroit, Mich.
A. L. Swett Iron Works, Medina, N. Y.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.
Vilter Mfg. Co., Milwaukee, Wis.
Henry Vogt Machine Co., Louisville, Ky.
Warren Foundry and Machine Co., New York.
D. T. Williams Valve Co., Cincinnati, O.
Wittemann Co., Buffalo, N. Y.
L. Wolff Mfg. Co., Chicago, Ill.

Fittings, Wire Rope.

American Hoist and Derrick Co., St. Paul, Minn.
Thomas Laughlin Co., Portland, Me.
Wilcox, Crittenden & Co., Middletown, Ohio.

Fixture Parts, Lighting.

Faries Mfg. Co., Decatur, Ill.
Gaynor Mfg. Co., Bridgeport, Conn.
Harvey Hubbell, Inc., Bridgeport, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.

Fixtures, Acetylene.

(See Acetylene Gas Lighting Apparatus.)

Fixtures, Bank and Office.

Anchor Post Iron Works, New York.
A. H. Andrews Co., Chicago, Ill.
Cheney Bigelow Wire Works, Springfield, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
C. H. Brownell, Peru, Ind.
Curtis Sash and Door Co., Sioux City, Iowa.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Dow Wire and Iron Works, Louisville, Ky.
M. J. Gibbud Co., Inc., New Haven, Conn.
Hecla Iron Works, Brooklyn, N. Y.
Huttig Sash and Door Co., St. Louis, Mo.
Robert Mitchell Furniture Co., Cincinnati, Ohio.

Fixtures, Bank and Office—Cont.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Scott-Graff Lumber Co., Duluth, Minn.
W. S. Tyler Co., Cleveland, Ohio.

Fixtures, Bar.
Bishop-Babcock-Becker Co., Cleveland, O.

Fixtures, Display.
Meyercord Co., Inc., Chicago, Ill.

Fixtures, Gas and Electric.
Best Light Co., Canton, Ohio.
Biddle-Gaumer Co., Philadelphia, Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Faries Mfg. Co., Decatur, Ill.
Handel Co., Meriden, Conn.
Hart Mfg. Co., Hartford, Conn.
Harvey Hubbell, Inc., Bridgeport, Conn.
F. H. Lovell & Co., Arlington, N. J.
Edward Miller & Co., Meriden, Conn.
Pass & Seymour, Inc., Syracuse, N. Y.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Welsbach Co., Gloucester, N. J.

Fixtures, Incandescent Gas.
Best Light Co., Canton, Ohio.
Edward Miller & Co., Meriden, Conn.
Welsbach Co., Gloucester, N. J.

Fixtures, Market.
Brecht Co., St. Louis, Mo.
D. Eddy & Sons Co., Boston, Mass.
Bernard Gloekler Co., Pittsburgh, Pa.
Maine Mfg. Co., Nashua, N. H.

Fixtures, Stable.
Casey-Hedges Co., Chattanooga, Tenn.
Duluth Corrugating and Roofing Co., Duluth, Minn.
A. L. Swett Iron Works, Medina, N. Y.

Fixtures, Store.
H. D. Beach Co., Coshocton, Ohio.
Curtis Sash and Door Co., Sioux City, Ia.
M. J. Gibbud Co., Inc., New Haven, Conn.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Huttig Sash and Door Co., St. Louis, Mo.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
Wilmarth Show Case Co. Grand Rapids, Mich.

Flanges, Pipe.
American District Steam Co., North Tonawanda, N. Y.
General Fire Extinguisher Co., Providence, R. I.
Glasgow Iron Co., Pottstown, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Pittsburgh Piping and Equipment Co., Pittsburgh, Pa.
Railway Steel-Spring Co., New York.
Transue & Williams Co., Alliance, Ohio.

Flannels, Cotton.
(See Cotton Flannels.)

Flannels, Woolen.
Ballard Vale Mills Co., Ballard Vale, Mass.
Eugene Woolen Mill Co., Eugene, Ore.
French & Ward, New York.
Harris, Emery Co., New York.
Thomas Kay Woolen Mill Co., Salem, Ore.
Pearce Mfg. Co., Pittsburgh, Pa.
Portland Woolen Mills, Portland, Ore.

Flasks, Pocket.
C. F. Rumpp & Sons Philadelphia, Pa.

Flooring, Cork.
Armstrong Cork and Insulation Co., Pittsburgh, Pa.

Flooring, Fireproof.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
H. W. Johns-Manville Co., New York.

Flooring, Parquet.
Wood-Mosaic Co., New Albany, Ind.

Flooring, Rubber.
United States Rubber Export Co., Ltd., New York.

Flooring, Wood.
August C. Beck Co., Milwaukee, Wis.
Louis Bossert & Sons, Brooklyn, N. Y.
Cobbs & Mitchell, Inc., Cadillac, Mich.
M. B. Farrin Lumber Co., Cincinnati, O.
Great Southern Lumber Co., Bogalusa, La.
Johnson Bros., Brooklyn, N. Y.
Long-Bell Lumber Co., Kansas City, Mo.
Missouri Lumber and Land Exchange Co., Kansas City, Mo.
Mitchell Bros. Co., Cadillac, Mich.
Mowbray & Robinson Co., Cincinnati, Ohio.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Shepard & Morse Lumber Co., Boston, Mass.
T. Wilce Co., Chicago, Ill.
J. G. Wilson Corp., New York.
Wood-Mosaic Co., New Albany, Ind.

Flour, Corn.
American Hominy Co., Indianapolis, Ind.
Eagle Roller Mill Co., New Ulm, Minn.
Ph. H. Postel Milling Co., Mascoutah, Ill.
Quaker Oats Co., Chicago, Ill.
Washburn-Crosby Co., Minneapolis, Minn.

Flour, Durum Wheat.
Pillsbury Flour Mills Co., Minneapolis, Minn.
Yerxa, Andrews & Thurston, Inc., Minneapolis, Minn.

Flour, Rye.
Albers Bros. Milling Co., Portland, Ore.
Eagle Roller Mill Co., New Ulm, Minn.
Pillsbury Flour Mills Co., Minneapolis, Minn.
Quaker Oats Co., Chicago, Ill.
Sperry Flour Co., San Francisco, Cal.
Bernard Stern & Sons, Inc., Milwaukee, Wis.
Washburn-Crosby Co., Minneapolis, Minn.

Flour, Wheat.
Albers Brothers Milling Co., Portland, Ore.
Ballard & Ballard Co., Louisville, Ky.
Cleveland Milling Co., Cleveland, Ohio.
Donmeyer-Gardner Co., Peoria, Ill.
Eagle Roller Mill Co., New Ulm, Minn.
Igleheart Brothers, Evansville, Ind.
W. J. Jennison Co., Minneapolis, Minn.
Listman Mill Co., La Crosse, Wis.
Niagara Falls Milling Co., Buffalo, N. Y.
Pillsbury Flour Mills Co., Minneapolis, Minn.
Portland Flouring Mills Co., Portland, Ore.
Ph. H. Postel Milling Co., Mascoutah, Ill.
Quaker Oats Co., Chicago, Ill.

Flour, Wheat—Cont.

Russell-Miller Milling Co., Minneapolis, Minn.
Sheffield-King Milling Co., Minneapolis, Minn.
Sperry Flour Co., San Francisco, Cal.
Stanard-Tilton Milling Co., St. Louis, Mo.
Bernard Stern & Sons, Inc., Milwaukee, Wis.
Washburn-Crosby Co., Minneapolis, Minn.
Yukon Mill and Grain Co., Yukon, Okla.
Zenith Milling Co., Kansas City, Mo.

Flues, Chimney.

N. Clark & Sons, San Francisco, Cal.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Hydraulic-Press Brick Co., St. Louis, Mo.
Pacific Sewer Pipe Co., Los Angeles, Cal.

Flumes.

American Rolling Mill Co., Middletown, Conn.
Berger Mfg. Co., Canton, Ohio.

Fly Paper.

O. & W. Thum Co., Grand Rapids, Mich.

Fly Screens, Net.

I. E. Palmer Co., Middletown, Conn.

Fly Traps.

American Can Co., New York.
Stuber & Kuck Co., Peoria, Ill.

Fly Wheels.

(See Wheels, Fly.)

Folding Machines, Paper.

(See Machines, Folding.)

Foods, Prepared.

Joseph Campbell Co., Camden, N. J.
E. R. Durkee & Co., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Horlick's Malted Milk Co., Racine, Wis.
Mellin's Food Co. of North America, Boston, Mass.
Merrell-Soule Co., Syracuse, N. Y.
Postum Cereal Co., Ltd., Battle Creek, Mich.
Shredded Wheat Co., Niagara Falls, N. Y.

Footwear, Rubber and Woolen.

(See also Hosiery.)

Hood Rubber Co., Watertown, Mass.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.

Forges, Portable.

C. C. Bradley & Son, Inc., Syracause, N. Y.
Champion Blower and Forge Co., Lancaster, Pa.
Silver Mfg. Co., Salem, Ohio.

Forgings, Car.

Allegheny Steel Co., Pittsburgh, Pa.
American Car and Foundry Co., New York.
American Chain Co., Inc., Bridgeport, Conn.
American Iron and Steel Mfg. Co., Lebanon, Pa.
Bass Foundry and Machine Co., Ft. Wayne, Ind.
Duncan Foundry and Machine Works, Alton, Ill.

Forgings, Car—Cont.

Erie Car Works, Erie, Pa.
Inter-State Car Co., Indianapolis, Ind.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio.
Seattle Car and Foundry Co., Seattle, Wash.
Transue & Williams Co., Alliance, Ohio.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Forgings, Carriage and Automobile.

Blakeslee Forging Co., Plantsville, Conn.
C. C. Bradley & Son, Inc., Syracuse, N. Y.
Columbus Bolt Works, Columbus, Ohio.
Scranton Forging Co., Scranton, Pa.
A. O. Smith Co., Milwaukee, Wis.
Transue & Williams Co., Alliance, Ohio.
Wyman & Gordon Co., Worcester, Mass.

Forgings, Drop.

Billings & Spencer Co., Hartford, Conn.
Blakeslee Forging Co., Plantsville, Conn.
C. C. Bradley & Son, Inc., Syracuse, N. Y.
Drop Forging Co. of New York, Jersey City, N. J.
Globe Malleable Iron and Steel Co., Syracuse, N. Y.
Henry & Allen, Inc., Auburn, N. Y.
James McKay Co., Pittsburgh, Pa.
McKinnon Dash Co., Buffalo, N. Y.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Scranton Forging Co., Scranton, Pa.
Transue & Williams Co., Alliance, Ohio.
Warren Axe and Tool Co., Warren, Pa.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Forgings, Engineering.

Bass Foundry and Machine Co., Ft. Wayne, Ind.
C. C. Bradley & Sons, Inc., Syracuse, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
W. & A. Fletcher, Hoboken, N. J.
Heppenstall Forge and Knife Co., Pittsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
Otis Steel Co., Cleveland, Ohio.
Railway Steel-Spring Co., New York.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Seattle Car and Foundry Co., Seattle, Wash.

Forgings, Light.

Allegheny Steel Co., Pittsburgh, Pa.
Atlantic Basin Iron Works, Brooklyn, N. Y.
Halcomb Steel Co., Syracuse, N. Y.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Scranton Forging Co., Scranton, Pa.
Standard Welding Co., Cleveland, Ohio.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Forks, Coke, Coal and Ballast.

American Fork and Hoe Co., Cleveland, O.

Forks, Hay and Manure.

American Fork and Hoe Co., Cleveland, O.

Formaldehyde.

Cleveland Cliffs Iron Co., Cleveland, Ohio.
Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Roessler & Hasslacher Chemical Co., New York.

Foundation Work.

(See Constructors, Foundation.)

Founders and Machinists.

(See Machinists.)

Foundry Equipment.

Acheson Graphite Co., Niagara Falls, N. Y.
Alliance Machine Co., Alliance, Ohio.
American Steel Scraper Co., Sidney, Ohio.
Oscar Barnett Foundry Co., Irvington, N. J.
C. O. Bartlett & Snow Co., Cleveland, O.
W. J. Clark Co., Salem, Ohio.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Joseph Dixon Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., Pittsburgh, Pa.
John Mohr & Sons, Chicago, Ill.
Ohio Blower Co., Cleveland, Ohio.
Osborn Mfg. Co., Cleveland, Ohio.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
William Sellers & Co., Inc., Philadelphia, Pa.
Smith & Caffrey Co., Syracuse, N. Y.
Snead & Co. Iron Works, Inc., Jersey City, N. J.
Spanjer Brothers, Newark, N. J.
United Engineering and Foundry Co., Pittsburgh, Pa.
United States Graphite Co., Saginaw, Mich.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Worthington Pump and Machinery Corp., New York.

Fountains, Drinking.

Casey-Hedges Co., Chattanooga, Tenn.
John Douglas Co., Cincinnati, Ohio.
Thomas Maddock's Sons Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
H. Mueller Mfg. Co., Decatur, Ill.

Fountains for Lawns and Parks.

J. L. Mott Iron Works, New York.
Rookwood Pottery Co., Cincinnati, Ohio.

Fountains, Soda Water.

Bishop-Babcock-Becker Co., Cleveland, O.

Fountains, Stock Watering.

Casey-Hedges Co., Chattanooga, Tenn.

Fourdrinier Machines.

(See Machines, Fourdrinier.)

Frames, Bag and Purse.

Aug. Goertz & Co., Newark, N. J.
J. E. Mergott Co., Newark, N. J.
R. Neumann Hardware Co, Newark, N. J.
Simon Zinn, Inc., New York.

Frames, Door and Window Screen.

Curtis, Towle & Paine Co., Lincoln, Neb.
Owosso Mfg. Co., Owosso, Mich.
A. Roberson & Son, Binghamton, N. Y.
John F. Wilcox Co., Minneapolis, Minn.

Frames, Photograph.

C. F. Rumpp & Sons, Philadelphia, Pa.
William Schimper & Co., Hoboken, N. J.

Frames, Picture.

H. Lieber Co., Indianapolis, Ind.
Reuhl Molding Mfg. Co., Cincinnati, O.
Taber-Prang Art Co., Springfield, Mass.

Freezers, Ice Cream.

J. G. Cherry Co., Cedar Rapids, Iowa.
Thomas Mills & Bro., Inc., Philadelphia, Pa.
North Brothers Mfg. Co., Philadelphia, Pa.
Richmond Cedar Works, Richmond, Va.

Frictions, Automobile.

Bickford & Francis Belting Co., Buffalo, N. Y.
Royal Equipment Co., Bridgeport, Conn.

Frogs and Switches.

Buda Co., Chicago, Ill.
Gregg Co., Ltd., Hackensack, N. J.
Morden Frog and Crossing Works, Chicago, Ill.
New York Switch and Crossing Co., Hoboken, N. J.
Pettibone, Mulliken Co., Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.

Fruits, Canned and Preserved.

American Preserve Co., Philadelphia, Pa.
California Fruit Canners' Association, San Francisco, Cal.
Curtice Brothers Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Inc., Chicago, Ill.
E. Pritchard, New York.
W. & H. Walker, Pittsburgh, Pa.

Fruits, Evaporated.

California Fruit Canners' Association, San Francisco, Cal.

Fuel for Automobile Heaters.

Chicago Flexible Shaft Co., Chicago, Ill.

Furnaces, Automatic.

Murphy Iron Works, Detroit, Mich.

Furnaces, Annealing.

Abbé Engineering Co., New York.
Metals Production Equipment Co., Springfield, Mass.
John Mohr & Sons, Chicago, Ill.
Pennsylvania Engineering Works, New Castle, Pa.

Furnaces, Bagasse.

Casey-Hedges Co., Chattanooga, Tenn.

Furnaces, Billet Heating.

John Mohr & Sons, Chicago, Ill.
Morgan Construction Co., Worcester, Mass.
Pennsylvania Engineering Works, New Castle, Pa.

Furnaces, Blast.

American Gas Furnace Co., New York.
Colorado Iron Works, Denver, Colo.
Kroeschell Brothers Co., Chicago, Ill.
John Mohr & Sons, Chicago, Ill.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Variety Iron and Steel Works Co., Cleveland, Ohio.

Furnaces, Boiler.

(See Ironwork, Plate and Sheet.)

Furnaces, Brazing.

Chicago Flexible Shaft Co., Chicago, Ill.
Clayton & Lambert Mfg. Co., Detroit, Mich.

Furnaces, Gas.

Abbé Engineering Co., New York.
American Gas Furnace Co., New York.
L. O. Koven & Brother, New York.
Manning, Maxwell & Moore, New York.
XXth Century Heating and Ventilating Co., Akron, Ohio.

Furnaces, House Heating.

Beckwith Co., Dowagiac, Mich.
Buckwalter Stove Co., Royersford, Pa.
Co-Operative Foundry Co., Rochester, N. Y.
Abram Cox Stove Co., Philadelphia, Pa.
Detroit Stove Works, Detroit, Mich.
Favorite Stove and Range Co., Piqua, O.
Floyd-Wells Co., Royersford, Pa.
Forest City Foundry and Mfg. Co., Cleveland, Ohio.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren Co., Troy, N. Y.
Germer Stove Co., Erie, Pa.
Kelsey Heating Co., Inc., Syracuse, N. Y.
Michigan Stove Co., Detroit, Mich.
Richardson & Boynton Co., New York.
Southard Robertson Co., New York.
Stamford Foundry Co., Stamford, Conn.
XXth Century Heating and Ventilating Co., Akron, Ohio.
Union Stove Works, New York.
Williamson Heater Co., Cincinnati, Ohio.
Wise Furnace Co., Akron, Ohio.

Furnaces, Lead.

Littleford Brothers, Cincinnati, Ohio.
A. P. Smith Mfg. Co., East Orange, N. J.

Furnaces, Portable Electric.

Electric Railway Improvement Co., Cleveland, Ohio.

Furnaces, Portable Oil.

Electric Railway Improvement Co., Cleveland, Ohio.

Furnaces, Smelting, Roasting and Refining.

Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Kroeschell Brothers & Co., Chicago, Ill.
Love Brothers, Inc., Aurora, Ill.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.

Furnaces, Soldering.

Abbé Engineering Co., New York.
American Stove Co., St. Louis, Mo.
Clayton & Lambert Mfg. Co., Detroit, Mich.

Furnaces, Wire Annealing.

Morgan Construction Co., Worcester, Mass.

Furniture.

(See also Specified Headings Following.)

Luger Furniture Co., Minneapolis, Minn.
Paine Furniture Co., Boston, Mass.
William L. Ross & Co., East Cambridge, Mass.

Furniture, Bedroom.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Doernbecher Mfg. Co., Portland, Ore.
Herzog Art Furniture Co., Saginaw, W. S., Mich.
Innis, Pearce & Co., Rushville, Ind.
S. Karpen & Brothers, Chicago, Ill.
Peter Klerner, New Albany, Ind.
Luce Furniture Co., Grand Rapids, Mich.
Nelson-Matter Furniture Co., Grand Rapids, Mich.
New Orleans Furniture Mfg. Co., New Orleans, La.
Northern Furniture Co., Sheboygan, Wis.
Phoenix Furniture Co., Grand Rapids, Mich.
Royal Furniture Co., Grand Rapids, Mich.
Showers Brothers Co., Bloomington, Ind.
Simmons Co., Kenosha, Wis.
Sligh Furniture Co., Grand Rapids, Mich.
Spiegel Furniture Co., Shelbyville, Ind.
Udell Works, Indianapolis, Ind.

Furniture, Cafe and Restaurant.

M. Reischmann & Sons, New York.
Toledo Metal Furniture Co., Toledo, Ohio.

Furniture, Camp and Lawn.

Dow Wire and Iron Works, Louisville, Ky.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Theodor Kundtz Co., Cleveland, Ohio.
Simmons Co., Kenosha, Wis.
A. L. Swett Iron Works, Medina, N. Y.

Furniture, Dental.

Consolidated Dental Mfg. Co. New York.
Hamilton Mfg. Co., Two Rivers, Wis.
Ritter Dental Mfg. Co., Rochester, N. Y.

Furniture, Dining Room.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Curtis, Towle & Paine Co., Lincoln, Neb.
Doernbecher Mfg. Co., Portland, Ore.
Herzog Art Furniture Co., Saginaw, W. S., Mich.
Imperial Furniture Co., Grand Rapids, Mich.
S. Karpen & Bros., Chicago, Ill.
Luce Furniture Co., Grand Rapids, Mich.
Nelson-Matter Furniture Co., Grand Rapids, Mich.
New Orleans Furniture Mfg. Co., New Orleans, La.
Northern Furniture Co., Sheboygan, Wis.
Phoenix Furniture Co., Grand Rapids, Mich.
M. Reischmann & Sons, Inc., New York.
Royal Furniture Co., Grand Rapids, Mich.
Royal Mantel and Furniture Co., Rockford, Ill.
Showers Brothers Co., Bloomington, Ind.
Skandia Furniture Co., Rockford, Ill.
Union Furniture Co., Rockford, Ill.

Furniture, Drafting.

Hamilton Mfg. Co., Two Rivers, Wis.

Furniture, Fibre.

S. Karpen & Bros., Chicago, Ill.

Furniture, Grass.

Crex Carpet Co., New York.

Furniture, Hall.

Berkey & Gay Furniture Co., Grand Rapids, Mich.

Furniture, Hospital.

Bernstein Mfg. Co., Philadelphia, Pa.
Foster Bros. Mfg. Co., Utica, N. Y.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Kny-Scheerer Co., New York.
Salisbury & Satterlee Co., Minneapolis, Minn.

Furniture, Kitchen.

Northern Furniture Co., Sheboygan, Wis.
Showers Brothers Co., Bloomington, Ind.
Spiegel Furniture Co., Shelbyville, Ind.
White Enamel Refrigerator Co., St. Paul, Minn.

Furniture, Library.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Davis-Birely Table Co., Shelbyville, Ind.
Globe-Wernicke Co., Cincinnati, Ohio.
Gunn Furniture Co., Grand Rapids, Mich.
C. H. Haberkorn & Co., Detroit, Mich.
Hannahs Mfg. Co., Kenosha, Wis.
Hubbard, Eldredge & Miller, Rochester, N. Y.
Imperial Furniture Co., Grand Rapids, Mich.
Jamestown Lounge Co., Jamestown, N. Y.
Levin Bros., Inc., Minneapolis, Minn.
Macey Co., Grand Rapids, Mich.
Northern Furniture Co., Sheboygan, Wis.
Phoenix Furniture Co., Grand Rapids, Mich.
Royal Furniture Co., Grand Rapids, Mich.
Royal Mantel and Furniture Co., Rockford, Ill.
Showers Brothers Co., Bloomington, Ind.
Skandia Furniture Co., Rockford, Ill.
Udell Works, Indianapolis, Ind.
Union Furniture Co., Rockford, Ill.

Furniture, Lodge.

Henderson-Ames Co., Kalamazoo, Mich.
S. Karpen & Brothers, Chicago, Ill.
Levin Brothers, Inc., Minneapolis, Minn.
M. C. Lilley & Co., Columbus, Ohio.
E. H. Stafford Mfg. Co., Chicago, Ill.

Furniture, Metal.

W. J. Clark Co., Salem, Ohio.
Keyless Lock Co., Indianapolis, Ind.
New Britain Machine Co., New Britain, Conn.
Toledo Metal Furniture Co., Toledo, Ohio.
Van Dorn Iron Works, Cleveland, Ohio.

Furniture, Mission.

Langslow-Fowler Co., Rochester, N. Y.

Furniture, Novelty.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Davis-Birely Table Co., Shelbyville, Ind.
C. H. Haberkorn & Co., Detroit, Mich.
Imperial Furniture Co., Grand Rapids, Mich.

Furniture, Office.

A. H. Andrews Co., Chicago, Ill.
Art Metal Construction Co., Jamestown, N. Y.
Berger Mfg. Co., Canton, Ohio.
Browne-Morse Co., Muskegon, Mich.
J. F. Dietz & Co., Cincinnati, Ohio.
Forman-Bassett Co., Cleveland, Ohio.
Globe-Wernicke Co., Cincinnati, Ohio.
Gunn Furniture Co., Grand Rapids, Mich.
S. Karpen & Brothers, Chicago, Ill.
Langslow-Fowler Co., Rochester, N. Y.
Macey Co., Grand Rapids, Mich.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
Safe-Cabinet Co., Marietta, Ohio.
Standard Furniture Co., Herkimer, N. Y.
Toledo Metal Furniture Co., Toledo, Ohio.
Van Dorn Iron Works, Cleveland, Ohio.
Webster Mfg. Co., Superior, Wis.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

Furniture, Parlor and Fancy.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Hannahs Mfg. Co., Kenosha, Wis.
Hubbard, Eldredge & Miller, Rochester, N. Y.
Imperial Furniture Co., Grand Rapids, Mich.
Jamestown Lounge Co., Jamestown, N. Y.
S. Karpen & Brothers, Chicago, Ill.
Langslow-Fowler Co., Rochester, N. Y.
Levin Brothers, Inc., Minneapolis, Minn.
Mayhew Co., Milwaukee, Wis.
New Orleans Furniture Mfg. Co., New Orleans, La.
Phoenix Chair Co., Sheboygan, Wis.
Udell Works, Indianapolis, Ind.
Union Furniture Co., Rockford, Ill.

Furniture, Printers'.

(See also Printers' Supplies.)

Hamilton Mfg. Co., Two Rivers, Wis.

Furniture, School and Church.

American Seating Co., Chicago, Ill.
A. H. Andrews Co., Chicago, Ill.
Theodor Kundtz Co., Cleveland, Ohio.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
New Jersey School-Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., North Manchester, Ind.
E. H. Stafford Co., Chicago, Ill.

Furniture, Shop.

W. J. Clark Co., Salem, Ohio.
New Britain Machine Co., New Britain, Conn.
Toledo Metal Furniture Co., Toledo, Ohio.

Furniture, Upholstered.

Jamestown Lounge Co., Jamestown, N. Y.
S. Karpen & Bros., Chicago, Ill.
Levin Brothers, Inc., Minneapolis, Minn.
Mayhew Co. Milwaukee, Wis.

Furs.

Becker Brothers & Co., Chicago, Ill.
C. & E. Chapal Freres & Cie., Brooklyn N. Y.
M. Cohen & Brothers, New York.
Gordon & Ferguson, Inc., St. Paul, Minn.
H. H. Hornfeck & Son, New York.

Furs, Hatters'.

American Hatters and Furriers Co., Inc., Danbury, Conn.
Bloch & Hirsch Fur Co., Brooklyn, N. Y.
C. & E. Chapal Freres & Cie., Brooklyn, N. Y.
Donner & Co., Newark, N. J.
Jonas & Naumburg, New York.
H. Picard & Co., New York.

Furs, Imitation.

Sidney Blumenthal & Co., Inc., New York.
Merrimack Mfg. Co., Boston, Mass.
Victoria Plush Mill, New York.

Fuse, Safety, Blasting.

Coast Mfg. and Supply Co. Oakland, Cal.
Ensign-Bickford Co., Simsbury, Conn.

Fuses, Electric.

Chase-Shawmut Co., Newburyport, Mass.
D & W Fuse Co., Providence, R. I.
Detroit Fuse and Mfg. Co., Detroit, Mich.
General Electric Co., Schenectady, N. Y.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Johns-Pratt Co., Hartford, Conn.
Weber Electric Co., Schenectady, N. Y.

Fustic, Extract.

American Dyewood Co., New York.
Berlin Aniline Works, New York.
Jamaica Dyewood and Chemical Co., New York.
Mount Union Tanning and Extract Co., Mount Union, Pa.

Gaiters.

Lynn Ornament Co., Lynn, Mass.

Games.

United States Playing Card Co., Cincinnati, Ohio.

Garage Equipment.

Turner Machine Co., Danbury, Conn.
Weaver Mfg. Co., Springfield, Ill.

Garnet Paper.

(See Sand and Flint Paper and Cloth.)

Garters.

Samuel Buyer & Co., New York.
Crescent Garter Co., New York.
George Frost Co., Boston, Mass.
Hewes & Potter, Boston, Mass.
Ohio Suspender Co., Mansfield, Ohio.
Pioneer Suspender Co., Philadelphia, Pa.
A. Ziegler & Sons Co., Boston Mass.

Gas Appliances, Industrial and Domestic.

William M. Crane Co., New York.
Equitable Meter Co., Pittsburgh, Pa.

Gas Exhausters, Rotary.

Connersville Blower Co., Connersville, Ind.
P. H. & F. M. Roots Co., Connersville, Ind.
Schütte & Koerting Co., Philadelphia, Pa.

Gas Fitters' Supplies.

(See Plumbers' Supplies; also Burners, Gas and Acetylene.)

Gas Holders.

Stacey Brothers Gas Construction Co., Cincinnati, Ohio.
Stacey Mfg. Co., Cincinnati, Ohio.

Gas Lights, Incandescent.

Welsbach Co., Gloucester, N. J.

Gas Producers.

American Gas Furnace Co., New York.
Best Light Co., Canton, Ohio.
C. & G. Cooper Co., Mt. Vernon, Ohio.
Davis-Bournonville Co., Jersey City, N. J.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
Morgan Construction Co., Worcester, Mass.
Stacey Brothers Gas Construction Co., Cincinnati, Ohio.
Stacey Mfg. Co., Cincinnati, Ohio.
Wellman-Seaver-Morgan Co., Cleveland, O.
Westinghouse Machine Co., East Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Gas Works.

(See Machinery, Gas Works.)

Gaskets, Leather.

(See Leather Goods, Mechanical.)

Gaskets, Rubber.

(See Rubber Goods, Mechanical.)

Gaskets, Vulcanized Fibre.

American Vulcanized Fibre Co., Wilmington, Del.

Gasoline.

Atlantic Refining Co., Philadelphia, Pa.
Indian Refining Co., New York.
Paragon Refining Co., Toledo, Ohio.
Standard Oil Co. of New York, New York.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
Valvoline Oil Co., New York.

Gasoline Storage Outfits.

(See Tanks, Gasoline Storage.)

Gates, Metal.

Anchor Post Iron Works, New York.
Hecla Iron Works, Brooklyn, N. Y.
Keystone Steel and Wire Co., Peoria, Ill.
J. L. Mott Iron Works, New York.
Peerless Wire Fence Co., Adrian, Mich.
W. S. Tyler Co., Cleveland, Ohio.

Gates, Sluice.

Chapman Valve Mfg. Co., Indian Orchard, Mass.
Eddy Valve Co., Waterford, N. Y.
Roe Stephens Mfg. Co., Detroit, Mich.

Gauges, Measuring.

Bridgeport Engineering Co., Bridgeport, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Mather & Waechter, Cleveland, Ohio.
Morse Twist Drill and Machine Co., New Bedford, Mass.
Sargent & Co., New York.
Slocum, Avram & Slocum, Inc., New York.
Standard Tool Co., Cleveland, Ohio.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.

Gauges, Steam and Air Pressure.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Capitol Brass Works, Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, Inc., New York.
A. Schrader's Sons, Inc., Brooklyn, N. Y.
C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Wittemann Co., Buffalo, N. Y.

Gauges, Track.

Buda Co., Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.

Gauges, Water.

American District Steam Co., North Tonawanda, N. Y.
American Injector Co., Detroit, Mich.
American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Buckeye Iron and Brass Works, Dayton, Ohio.
Detroit Lubricator Co., Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, Inc., New York.
Nathan Mfg. Co., New York.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
D. T. Williams Valve Co., Cincinnati, O.

Gauze, Surgical.

Griswoldville Mfg. Co., New York.

Gear Blanks, Rawhide.

Holebrook Raw Hide Co., Providence, R. I.

Gear, Draft.

Gould Coupler Co., New York.
Virginia Bridge and Iron Co., Roanoke, Va.
Westinghouse Air Brake Co., Pittsburgh, Pa.

Gearing.

Bilgram Machine Works, Philadelphia, Pa.
Brown-Lipe-Chapin Co., Syracuse, N. Y.
A. & F. Brown Co., New York.
Falk Co., Milwaukee, Wis.
Farrel Foundry and Machine Co., Ansonia, Conn.
William Ganschow Co., Chicago, Ill.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Hill Clutch Co., Cleveland, Ohio.
Carlyle Johnson Machine Co., Manchester, Conn.
Lane Mfg. Co., Montpelier, Vt.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.
Meisel Press Mfg. Co., Boston, Mass.
Mesta Machine Co., Pittsburgh, Pa.
New Process Gear Corp., Syracuse, N. Y.
Nilson-Miller Co., Hoboken, N. J.
Philadelphia Gear Works, Philadelphia, Pa.
Russel Wheel and Foundry Co., Detroit, Mich.
Timken-Detroit Axle Co., Detroit, Mich.
Tool Steel Gear and Pinion Co., Cincinnati, Ohio.
Van Dorn & Dutton Co., Cleveland, Ohio.
Westinghouse Machine Co., East Pittsburgh, Pa.

Gears, Automobile.

Baush Machine Tool Co., Springfield, Mass.
Brown-Lipe-Chapin Co., Syracuse, N. Y.
Detroit Gear and Machine Co., Detroit, Mich.
William Ganschow Co., Chicago, Ill.
Grant-Lees Gear Co., Cleveland, Ohio.
Meisel Press Mfg. Co., Boston, Mass.
New Process Gear Corp., Syracuse, N. Y.
Timken-Detroit Axle Co., Detroit, Mich.
Van Dorn & Dutton Co., Cleveland, Ohio.

Gears, Bakelite.

William Ganschow Co., Chicago, Ill.

Gears, Car Motor.

Detroit Gear and Machine Co., Detroit, Mich.
New Process Gear Corp., Syracuse, N. Y.
R. D. Nuttall Co., Pittsburgh, Pa.
Timken-Detroit Axle Co., Detroit, Mich.
Van Dorn & Dutton Co., Cleveland, Ohio.

Gears, Fibre.

William Ganschow Co., Chicago, Ill.
New Process Gear Corp., Syracuse, N. Y.

Gears and Pinions, Helical.

Falk Co., Milwaukee, Wis.
Meisel Press Mfg. Co., Boston, Mass.
Mesta Machine Co., Pittsburgh, Pa.
New Process Gear Corp., Syracuse, N. Y.

Gears, Rawhide.

William Ganschow Co., Chicago, Ill.
New Process Gear Corp., Syracuse, N. Y.
Philadelphia Gear Works, Philadelphia, Pa.

Gears, Steel, Farm and Teaming.

French & Hecht, Davenport, Iowa.
Peter Schuttler Co., Chicago, Ill.

Gelatine.

American Glue Co., Boston, Mass.
California Glue Co., San Francisco, Cal.
Consolidated Rendering Co., Boston, Mass.
Milligan & Higgins Co., New York.

Generators, Acetylene Gas.

Davis-Bournonville Co., New York.
R. E. Dietz Co., New York.
Northern Welding Co., Minneapolis, Minn.
United States Headlight Co., Buffalo, N. Y.

Generators, Alternating and Direct.

(See Dynamos.)

Generators, Vapor Gas.

(See Gas Producers.

Generators, Warm Air.

(See also Furnaces, House Heating.)
Kelsey Heating Co., Syracuse, N. Y.

Georgette Crepes.

(See Silk Chiffons.)

German Silver Goods.

Simeon L. & George H. Rogers Co., Hartford, Conn.

German Silver, Sheet and Wire.

American Brass Co., Waterbury, Conn.
Bristol Brass Co., Bristol, Conn.
Pilling Brass Co., Waterbury, Conn.
Seymour Mfg. Co., Seymour, Conn.
Stamford Rolling Mill Co., Springdale, Conn.
Waterbury Rolling Mills, Inc., Waterbury, Conn.

Gilding Metal.

Stamford Rolling Mills Co., Springdale, Conn.
Waterbury Rolling Mills, Inc., Waterbury, Conn.

Gin.

Standard Distilling and Distributing Co., New York.
Woolner Distilling Co., Peoria, Ill.

Ginger Ale.

P. Ballantine & Sons, Newark, N. J.
Clicquot Club Co., Millis, Mass.

Gins, Cotton.

(See Machinery, Cotton Gin.)

Glass, Bent.

Pittsburgh Plate Glass Co., Pittsburgh, Pa.

Glass Blanks.

Corning Glass Works, Corning, N. Y.
Libbey Glass Co., Toledo, Ohio.
Rodefer Glass Co. Bellaire, Ohio.
United States Glass Co., Pittsburgh, Pa.

Glass, Colored for Lighting Goods.

Gillinder & Sons, Inc., Tacony, Philadelphia, Pa.
Glenshaw Glass Co., Inc., Glenshaw, Pa.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Phoenix Glass Co., Pittsburgh, Pa.
Rodefer Glass Co., Bellaire, Ohio.

Glass, Floor and Skylight.

Pennsylvania Wire Glass Co., Philadelphia, Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Rodefer Glass Co., Bellaire, Ohio.

Glass, Ground, Chipped and Ribbed.

Mississippi Glass Co., New York.
Pennsylvania Wire Glass Co., Philadelphia, Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Western Glass Co., Streator, Ill.

Glass, Light Filtering.

Corning Glass Works, Corning, N. Y.

Glass, Optical.

Corning Glass Works, Corning, N. Y.

Glass, Plate.

Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Standard Plate Glass Co., Butler, Pa.

Glass Plate, Beveled and Polished.

Allegheny Plate Glass Co., Glassmere, Pa.
Edward Ford Plate Glass Co., Rossford, Ohio.
Heidenkamp Plate Glass Co., Springdale, Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.
Saginaw Plate Glass Co., Saginaw, Mich.

Glass, Rolled Sheet.

Advance Glass Co., Newark, Ohio.
Western Glass Co., Streator, Ill.

Glass, Sheet, Crystal and Colored, Figured and Opal.

Advance Glass Co., Newark, Ohio.

Glass Shelves.

J. P. Eustis Mfg. Co., Boston, Mass.

Glass, Window.

Pennsylvania Wire Glass Co., Philadelphia, Pa.

Glass, Wire.

Pennsylvania Wire Glass Co., Philadelphia, Pa.
Mississippi Glass Co., New York.
Western Glass Co., Streator, Ill.

Glassware, Bar.

C. Dorflinger & Sons, New York.
Federal Glass Co., Columbus, Ohio.
Fostoria Glass Co., Moundsville, W. Va.
J. T. and A. Hamilton Co., Pittsburgh, Pa.
A. H. Heisey & Co., Inc., Newark, Ohio.
Imperial Glass Co., Bellaire, Ohio.
Jefferson Glass Co., Follansbee, W. Va.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

Glassware Cooking Utensils.

Corning Glass Works, Corning, N. Y.

Glassware, Cut.

Carr-Lowrey Glass Co., Baltimore, Md.
C. Dorflinger & Sons, New York.
Fostoria Glass Co., Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co, Inc., Newark, Ohio.
Imperial Glass Co., Bellaire, Ohio.
Jefferson Glass Co., Follansbee, W. Va.
Libbey Glass Co., Toledo, Ohio.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

Glassware, Decorated.

Carr-Lowrey Glass Co., Baltimore, Md.
C. Dorflinger & Sons, New York.
Fostoria Glass Co., Moundsville, W. Va.
Handel Co., Meriden, Conn.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co., Inc., Newark, Ohio.
Imperial Glass Co., Bellaire, Ohio.
Jefferson Glass Co., Follansbee, W. Va.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

Glassware, Druggists'.

Buck Glass Co., Baltimore, Md.
Carr-Lowrey Glass Co., Baltimore, Md.
Corning Glass Works, Corning, N. Y.
Eimer & Amend, New York.
J. T. & A. Hamilton Co., Pittsburgh, Pa.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Illinois Glass Co., Alton, Ill.
Jefferson Glass Co., Follansbee, W. Va.
Maryland Glass Corporation, Baltimore, Md.
Swindell Bros., Baltimore, Md.
United States Glass Co., Pittsburgh, Pa.
Whitall Tatum Co., New York.

Glassware, Table.

C. Dorflinger & Sons, New York.
Federal Glass Co., Columbus, Ohio.
Fostoria Glass Co., Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
Hazel-Atlas Glass Co., Wheeling, W. Va.
A. H. Heisey & Co., Inc., Newark, Ohio.
Imperial Glass Co., Bellaire, Ohio.
Jefferson Glass Co., Follansbee, W. Va.
Rodefer Glass Co., Bellaire, Ohio.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

Glassware, Technical.

Corning Glass Works, Corning, N. Y.
Jefferson Glass Co., Follansbee, W. Va.
Macbeth-Evans Glass Co., Pittsburgh, Pa.

Globes, Acetylene Light.

(See Acetylene Gas Lighting Apparatus.)

Globes, Gas and Electric Light.

(See Shades, Gas and Electric Light.)

Globes, Lantern.

Corning Glass Works, Corning, N. Y.
Gill Brothers Co., Steubenville, Ohio.
Gillinder & Sons, Inc., Tacony, Philadelphia, Pa.
Libbey Glass Co., Toledo, Ohio.
Lippincott Glass Co., Cincinnati, Ohio.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Phoenix Glass Co., Pittsburgh, Pa.
Rodefer Glass Co., Bellaire, Ohio.

Globes, School.

Rand, McNally & Co., Chicago, Ill.

Gloves, Fabric.

Carson Pirie Scott & Co., Chicago, Ill.
Hall Lace Co., New York.
Julius Kayser & Co., New York.
Niagara Silk Mills, North Tonawanda, N.Y.

Gloves, Leather.

Bachner-Moses-Louis Co., Gloversville, N.Y.
Carson Pirie Scott & Co., Chicago, Ill.
Richard Evans & Sons, Johnstown, N. Y.
O. C. Hansen Mfg. Co., Milwaukee, Wis.
Helmholz Mitten Co., Cudahy, Wis.
Hutchens & Potter Co., Johnstown, N. Y.

Gloves and Mittens, Woolen.

Carson Pirie Scott & Co., Chicago, Ill.
Julius Kayser & Co., New York.

Gloves, Rubber.

Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., Tuckahoe, N. Y.

Gloves, Silk.

Boyd & Co., New York.
Carson Pirie Scott & Co., Chicago, Ill.
Gloversville Silk Mills, Gloversville, N. Y.
Hall Lace Co., Jersey City, N. J.
Julius Kayser & Co., New York.
Merrill Silk Co., Hornell, N. Y.
Niagara Silk Mills, North Tonawanda, N. Y.

Gloves, Workingmen's.

Coshocton Glove Co., Coshocton, Ohio.
O. C. Hansen Mfg. Co., Milwaukee, Wis.

Glucose.

Corn Products Refining Co., New York.

Glue.

American Glue Co., Boston, Mass.
Arabol Mfg. Co., New York.
California Glue Works, San Francisco, Cal.
Carter's Ink Co., Boston, Mass.
Consolidated Rendering Co., Boston, Mass.
Cudahy Packing Co., Chicago, Ill.
Darling & Co., Chicago, Ill.
Delany & Co., Philadelphia, Pa.
Jacob Dold Packing Co., Buffalo, N. Y.
Eastern Tanners Glue Co., Gowanda, N. Y.
Grasselli Chemical Co., New York.

Glue—Cont.

Charles M. Higgins & Co., Brooklyn, N. Y.
Milligan & Higgins Glue Co., New York.
Morris & Co., Chicago, Ill.
S. S. Stafford, Inc., New York.
Swift & Co., Chicago, Ill.
F. W. Tunnell & Co., Philadelphia, Pa.
Union Meat Co., Portland, Ore.

Glue Pots and Heaters.

Advance Machinery Co., Toledo, Ohio.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
W. O. Hickok Mfg. Co., Harrisburg, Pa.
L. O. Koven & Brother, Jersey City, N. J.

Glycerine.

Cudahy Packing Co., Chicago, Ill.
Harkness & Cowing Co., Cincinnati, Ohio.
James S. Kirk & Co., Chicago, Ill.
Larkin Co., Buffalo, N. Y.
Lautz Bros. & Co., Buffalo, N. Y.
Merck & Co., New York.
Peet Bros. Mfg. Co., Kansas City, Mo.
Procter & Gamble Co., Cincinnati, Ohio.
M. Werk Co., St. Bernard, near Cincinnati, Ohio.
Will & Baumer Co., Inc., Syracuse, N. Y.

Go-Carts.

Children's Vehicle Corp., East Templeton, Mass.
Gendron Wheel Co., Toledo, Ohio.
E. R. Wagner Mfg. Co., North Milwaukee, Wis.

Gold, Dental.

Consolidated Dental Mfg. Co., New York.
J. F. Jelenko & Co., New York.
I. Stern & Co., New York.
A. J. Watts Co., New York.

Gold, Fine and Alloyed.

American Oil and Supply Co., Newark, N. J.
Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Golf Balls.

B. F. Goodrich Co. Akron, Ohio.
A. J. Reach Co., Philadelphia, Pa.
St. Mungo Mfg. Co. of America, Newark, N. J.

Golf Clubs.

(See Clubs, Golf.)

Gongs.

P. Wall Mfg. Supply Co., Pittsburgh, Pa.

Governors, Hydraulic.

Foster Engineering Co., Newark, N. J.
Pelton Water Wheel Co., San Francisco, Cal.
S. Morgan Smith Co. York, Pa.

Governors, Pump.

Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Foster Engineering Co., Newark, N. J.
Gardner Governor Co., Quincy, Ill.
Jarecki Mfg. Co. Erie, Pa.
Judson Governor Co., Rochester N. Y.
H. Mueller Mfg. Co., Decatur, Ill.

Graders, Coffee.

Blymyer Iron Works Co., Cincinnati, Ohio.
Huntley Mfg. Co., Silver Creek, N. Y.

Graders, Grain.

Huntley Mfg. Co., Silver Creek, N. Y.

Graders, Peanut.

Huntley Mfg. Co., Silver Creek, N. Y.

Graders and Shellers, Rice.

Blymyer Iron Works Co., Cincinnati, Ohio.
Engelberg Huller Co., Syracuse, N. Y.
Huntley Mfg. Co. Silver Creek, N. Y.

Grain Merchants.

Osborn-McMillan Elevator Co., Minneapolis, Minn.
F. H. Peavy & Co., Minneapolis, Minn.

Granite.

Booth Brothers & Hurricane Isle Granite Co., New York.
Rockport Granite Co., Rockport, Mass.

Graphite.

Acheson Graphite Co., Niagara Falls, N. Y.
Binney & Smith Co., New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Ilsley, Doubleday & Co., New York.
McCullough-Dalzell Crucible Co., Pittsburgh, Pa.
United States Graphite Co., Saginaw, Mich.

Grates, Boiler.

Casey-Hedges Co., Chattanooga, Tenn.

Grates, Fireplace.

Ohio Foundry and Mfg. Co., Steubenville, Ohio.

Grates, Gas.

Ohio Foundry and Mfg. Co., Steubenville, Ohio.

Grease, Axle.

(See Oil and Grease, Axle.)

Greases, Lubricating.

Acheson Graphite Co., Niagara Falls, N. Y.
Atlantic Refining Co., Philadelphia Pa.
Consolidated Rendering Co. Boston, Mass.
Dearborn Chemical Co., Chicago, Ill.
Joseph Dixon Crucible Co., Jersey City, N. J.
Eastern Tanners' Glue Co., Gowanda, N. Y.
Fiske Brothers Refining Co., New York.
W. P. Fuller & Co., San Francisco, Cal.
Ilsley, Doubleday & Co., New York.
Indian Refining Co., New York.
Moore Oil Co., Cincinnati, Ohio.
New York & New Jersey Lubricant Co., New York.
Tide Water Oil Co., New York.
F. W. Tunnell & Co., Philadelphia, Pa.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
United States Graphite Co., Saginaw, Mich.
Valvoline Oil Co., New York.
Montgomery Ward & Co., Chicago, Ill.

Griddles.

Cleveland Stamping and Tool Co., Cleveland, Ohio.
New York Stamping Co., Brooklyn, N. Y.

Grilles and Gratings.

Adlerhurst Iron Co., New Haven, Conn.
Anchor Post Iron Works, New York.
Cheney Bigelow Wire Works, Springfield, Mass.

Grilles and Gratings—Cont.

Bradley & Hubbard Mfg. Co., Meriden, Conn.
Dow Wire and Iron Works, Louisville, Ky.
Hecla Iron Works, Brooklyn, N. Y.
J. L. Mott Iron Works, New York.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Grinders, Knife, Automatic.

American Wood Working Machinery Co., Rochester, N. Y.
Hickok Mfg. Co., Harrisburg, Pa.
Seybold Machine Co., Dayton, Ohio.
S. A. Woods Machine Co., Boston, Mass.

Grinders, Mower Knife and Sickle.

S. Cheney & Son, Manlius, N. Y.

Grinders, Plain and Universal, Cylindrical.

Landis Tool Co., Waynesboro, Pa.

Grinders, Portable Electrical.

Electric Railway Improvement Co., Cleveland, Ohio.
Hisey-Wolf Machine Co., Cincinnati, Ohio.

Grinders, Surface, Plain and Automatic.

Landis Tool Co., Waynesboro, Pa.
Stenotype Co., Indianapolis, Ind.
Vitrified Wheel Co., Westfield, Mass.
Wilmarth & Morman Co., Grand Rapids, Mich.
S. A. Woods Machine Co., Boston Mass.

Grinders, Tool.

American Wood Working Machinery Co., Rochester, N. Y.
Axelson Machine Co., Los Angeles, Cal.
Baird Machine Co., Bridgeport, Conn.
Buda Co., Chicago, Ill.
Carborundum Co., Niagara Falls, N. Y.
S. Cheney & Son, Manlius, N. Y.
Chicago Wheel and Mfg. Co. Chicago, Ill.
Cincinnati Milling Machine Co., Cincinnati, Ohio.
Geometric Tool Co., New Haven, Conn.
Gisholt Machine Co., Madison, Wis.
John H. Graham & Co., New York.
Hunter Saw and Machine Co., Pittsburgh, Pa.
Ingersoll Milling Machine Co., Rockford, Ill.
R. K. Le Blond Machine Tool Co., Cincinnati, Ohio.
McDonough Mfg. Co., Eau Claire, Wis.
Millers Falls Co., Millers Falls, Mass.
Niles-Bement-Pond Co., New York.
Norton Co., Worcester, Mass.
Oakley Machine Tool Co., Oakley, Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
Taylor & Fenn Co., Hartford, Conn.
United States Electrical Tool Co., Cincinnati, Ohio.
Vitrified Wheel Co., Westfield, Mass.
Waltham Grinding Wheel Co., Waltham, Mass.
Whitney Mfg. Co., Hartford, Conn.
Wilmarth & Morman Co., Grand Rapids, Mich.
S. A. Woods Machine Co., South Boston, Mass.

Grinders, Universal.
Gisholt Machine Co., Madison, Wis.

Grinding Machinery, Special.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Landis Tool Co., Waynesboro, Pa.
Mitts & Merrill, Saginaw, Mich.
Norton Co., Worcester, Mass.
Standard Tool Co., Cleveland, Ohio.

Grindstones.
Abrasive Co., Philadelphia, Pa.
American Emery Wheel Works, Providence, R. I.
Carborundum Co., Niagara Falls, N. Y.
Cleveland Stone Co., Cleveland, Ohio.
Millers Falls Co., Millers Falls, Mass.
Norton Co., Worcester, Mass.
Ohio Quarries Co., Cleveland, Ohio.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Vitrified Wheel Co., Westfield, Mass.
Waltham Emery Wheel Co., Waltham, Mass.

Guards, Lawn and Tree.
Anchor Post Iron Works, New York.
Peerless Wire Fence Co., Adrian, Mich.
Taylor & Dean, Pittsburgh, Pa.

Guards, Machinery.
Taylor & Dean, Pittsburgh, Pa.

Gum, British.
Arabol Mfg. Co., New York
Corn Products Refining Co., New York.
Stein, Hirsh & Co., New York.

Gum, Chewing.
American Chicle Co., Jersey City, N. J
National Licorice Co., Brooklyn, N. Y.
Smith Bros., Poughkeepsie, N. Y.

Gums.
Arabol Mfg. Co., New York
Stein, Hirsh & Co., New York.

Gun Grease.
Winchester Repeating Arms Co., New Haven, Conn.

Gun Implements.
Winchester Repeating Arms Co., New Haven, Conn.

Gun Parts.
George W. Hartzell, Piqua, Ohio.

Gun Stocks.
George W. Hartzell, Piqua, Ohio.

Gunpowder.
Austin Powder Co., Cleveland, Ohio.
Equitable Powder Mfg. Co., East Alton, Ill.
Hercules Powder Co., Wilmington, Del.
United States Powder Co., Terre Haute, Ind.

Guns, Machine.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Savage Arms Co., Utica, N. Y.

Gutta Percha, Dental.
Consolidated Dental Mfg. Co., New York.
Mattson Rubber Co., Lodi, N. J.

Gutta Percha Products.
Bishop Gutta Percha Co., New York.

Gymnasium Apparatus.
B. F. Goodrich Co., Akron, Ohio.
Narragansett Machine Co., Providence, R. I.

Hair Cloth.
(See Cloth, Hair.)

Hair, Curled.
Cudahy Packing Co., Chicago, Ill.
Delany & Co., Philadelphia, Pa.
Robert H. Foerderer, Inc., Philadelphia, Pa.
P. R. Mitchell Co., Cincinnati, Ohio.
Swift & Co., Chicago, Ill.

Hair Ornaments.
Samstag & Hilder Bros., New York.

Hair Treating Apparatus.
P. A. Geier Co., Cleveland, Ohio.

Hairpins.
Consolidated Safety Pin Co., Bloomfield, N. J.
De Long Hook and Eye Co., Philadelphia, Pa.
Star Pin Co., Derby, Conn.
Sterling Pin Co., Derby, Conn.

Hames, Iron.
Eberhard Mfg. Co., Cleveland, Ohio.
Elbel Co., Canton, Ohio.
Frazer & Jones Co., Syracuse, N. Y.
McKinnon Dash Co., Buffalo, N. Y.
United States Hame Co., Buffalo, N. Y.

Hames, Steel and Wood.
Steffens Amberg Co., Newark, N. J.
United States Hame Co., Buffalo, N. Y.

Hammers, Copper.
James Graham & Co., New Haven, Conn.

Hammers, Drop.
E. W. Bliss Co., Brooklyn, N. Y.
C. C. Bradley & Son, Inc., Syracuse, N. Y.
Long & Allstatter Co., Hamilton, Ohio.
United Engineering and Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Hammers, Farriers'.
Heller Bros. Co., Newark, N. J.
David Maydole Hammer Co., Norwich, N. Y.

Hammers, Hand.
Drop Forging Co. of New York, Jersey City, N. J.
Evansville Tool Works, Evansville, Ind.
Heller Bros. Co., Newark, N. J.
Holbrook Raw Hide Co., Providence, R. I.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
David Maydole Hammer Co., Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.
Stanley Rule and Level Co., New Britain, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., Cleveland, Ohio.

Hammers, Hide Faced.
Holbrook Raw Hide Co., Providence, R. I.

Hammers, Magnetic.
L. A. Sayre Co., Newark, N. J.

Hammers, Pneumatic.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.

Hammers, Power.
Alliance Machine Co., Alliance, Ohio.
C. C. Bradley & Sons, Inc., Syracuse, N. Y.
Buffalo Foundry and Machine Co., Buffalo, N. Y.
Champion Blower and Forge Co., Lancaster, Pa.
Niles-Bement-Pond Co., New York.
William Sellers & Co., Inc., Philadelphia, Pa.

Hammers, Sledge.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Hammocks.
I. E. Palmer Co., Middletown, Conn.

Hampers, Canvas.
W. T. Lane & Bro., Poughkeepsie, N. Y.

Hams.
Cudahy Packing Co., Chicago, Ill.
Jacob Dold Packing Co., Buffalo, N. Y.
Dunlevy Packing Co., Pittsburgh, Pa.
Frye & Co., Seattle, Wash.
Morris & Co., Chicago, Ill.
John C. Roth Packing Co., Cincinnati, O.
T. M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co., Portland, Ore.
Wilson & Co., Chicago, Ill.

Hand Facers, Pneumatic.
Thos. H. Dallett Co., Philadelphia, Pa.

Handcuffs.
Harrington & Richardson Arms Co., Worcester, Mass.
Mattatuck Mfg. Co., Waterbury, Conn.

Handkerchiefs.
Cheney Bros., South Manchester, Conn.
Cluett, Peabody & Co., Inc., Troy, N. Y.
Katterman & Mitchell Co., Paterson, N. J.

Handles, Auger.
Millers Falls Co., Millers Falls, Mass.

Handles, Brush.
Atchison Saddlery Co., Aatchison, Kans.

Handles, Chest.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Sargent & Co., New York.
Stanley Works, New Britain, Coon.

Handles, Storage Battery.
Globe Machine and Stamping Co., Cleveland, Ohio.

Handles, Tool.
Kelly Axe Mfg. Co., Charleston, W. Va.
Millers Falls Co., Millers Falls, Mass.
Piqua Handle and Mfg. Co., Piqua, Ohio.
Sargent & Co., New York.
John Sommer Faucet Co., Newark, N. J.
Stanley Rule and Level Co., New Britain, Conn.
Warren Axe and Tool Co., Warren, Pa.

Hangers, Advertising.
Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.
Tablet and Ticket Co., Chicago, Ill.

Hangers, Cable.
(See also Clips, Electric Cable.)
Standard Underground Cable Co., Pittsburgh, Pa.

Hangers, Clothing.
West Electric Hair Curler Co., Philadelphia, Pa.

Hangers, Door.
Allith-Prouty Co., Danville, Ill.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sargent & Co., New York.

Hangers, Joist.
W. J. Clark Co., Salem, Ohio.

Hangers, Shaft.
Bond Foundry and Machine Co., Manheim, Pa.
A. & F. Brown Co., New York.
Dodge Mfg. Co., Mishawaka, Ind.
Benjamin Eastwood Co., Paterson, N. J.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio
Lane Mfg. Co., Montpelier, Vt.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.
Naylor Bros., Peekskill, N. Y.
S. K. F. Ball Bearing Co., Hartford, Conn.
Stephens-Adamson Mfg. Co., Aurora, Ill.

Hangings, Wall.
M. H. Birge & Sons Co., Buffalo, N. Y.
Cook's Linoleum Co., Trenton, N. J.
Standard Oil Cloth Co., New York.
Standard Wall Paper Co., Hudson Falls, N. Y.
H. B. Wiggins' Sons Co., Bloomfield, N. J.

Hardware, Awning.
John Boyle & Co., New York.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Hardware, Builders'.
Allith-Prouty Co., Danville, Ill.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Bridgeport Chain Co., Bridgeport, Conn.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Chicago Spring Butt Co., Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
P. & F. Corbin, New Britain, Conn.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Dent Hardware Co., Fullerton, Pa.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Eagle Lock Co. Terryville, Conn.
L. L. Ensworth & Son, Hartford, Conn.

Hardware, Builders'—Cont.

Excelsior Needle Co., Torrington, Conn.
John H. Graham & Co., New York.
Grand Rapids Hardware Co., Grand Rapids, Mich.
Lockwood Mfg. Co., South Norwalk, Conn.
Norwalk Lock Co., South Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Pfleghar Hardware Specialty Co., New Haven, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New York.
Shapleigh Hardware Co., St. Louis, Mo.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.
Stanley Works, New Britain, Conn.
Yale & Towne Mfg. Co., New York.

Hardware, Builders (White Enamel).

Allith-Prouty Co., Danville, Ill.

Hardware, Carriage.

C. C. Bradley & Son, Inc., Syracuse, N. Y.
Columbus Bolt Works, Columbus, Ohio.
C. Cowles & Co., New Haven, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Eberhard Mfg. Co., Cleveland, Ohio.
Monarch Carriage Goods Co., Cincinnati, O.
National Screw and Tack Co., Cleveland, O.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Upson Nut Co., Cleveland, Ohio.

Hardware, Coffin and Casket.

Crane & Breed Mfg. Co., Cincinnati, Ohio.
Elgin Silver Plate Co., Elgin, Ill.
National Casket Co., Long Island City, N. Y.
Sargent & Co., New York.
Saugatuck Mfg. Co., Saugatuck, Conn.
Sterling Casket Hardware Co., Brooklyn, N. Y.

Hardware, Furniture and Upholstery.

American Ring Co., Waterbury, Conn.
Wallace Barnes Co., Bristol, Conn.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Corbin Cabinet Lock Co. New Britain, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
Dent Hardware Co., Fullerton, Pa.
Foster, Merriam & Co., Meriden, Conn.
H. L. Judd Co., New York.
Seng Co., Chicago, Ill.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Hardware, Household.

(See also Housefurnishing Goods.)

Dent Hardware Co., Fullerton, Pa.
John H. Graham & Co., New York.

Hardware, Marine.

Adams & Westlake Co., Chicago, Ill.
Dayton Mfg. Co., Dayton, Ohio.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Charles D. Durkee & Co., New York.
John H. Graham & Co., New York.
Thomas Laughlin Co., Portland, Me.

Hardware, Marine—Cont.

Malleable Iron Fittings Co., Branford, Conn.
Norwalk Lock Co., South Norwalk, Conn.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Hardware, Organ and Piano.

American Musical Supply Co., Jersey City, N. J.
American Skein and Foundry Co., Racine, Wis.
Oakville Co., Waterbury, Conn.
Strauch Bros., New York.
Waterbury Co., New York.
Wessell, Nickel & Gross, New York.

Hardware, Railway Car.

Adams & Westlake Co,. Chicago, Ill.
Dayton Mfg. Co., Dayton, Ohio.
James L. Howard & Co., Hartford, Conn.
National Lock Washer Co., Newark, N. J.

Hardware, Saddlery.

American Chain Co., Inc., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Columbus Bolt Works, Columbus, Ohio.
H. W. Cooper Saddlery Hardware Mfg. Co., Moline, Ill.
Covert Mfg. Co., Troy, N. Y.
Crandal, Stone & Co., Binghamton, N. Y.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Eberhard Mfg. Co., Cleveland, Ohio.
Elbel Co., Canton, Ohio.
Frazer & Jones Co., Syracuse, N. Y.
John H. Graham & Co., New York.
McKinnon Dash Co., Buffalo, N. Y.
O. B. North & Co., New Haven, Conn.
Steffens Amberg Co., Newark, N. J.
United States Hame Co., Buffalo, N. Y.

Hardware, Show Case.

Francis Keil & Son, New York.

Hardware Specialties.

Brabson Bros., Newark, N. J.
Excelsior Needle Co., Torrington, Conn.
Francis Keil & Son, New York.
Osborn Mfg. Co., Cleveland, Ohio.

Hardware, Stationers'.

(See Stationers' Hardware.)

Hardware, Trunk and Box.

Robert N. Bassett Co., New York.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Cary Mfg. Co., Brooklyn, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Excelsior Hardware Co., Stamford, Conn.
Havell Mfg. Co., Newark, N. J.
R. Neumann Hardware Co., Newark, N. J.
Yale & Towne Mfg. Co., New York.

Hardware, Umbrella.

Newark Rivet Works, Newark, N. J.

Hardware, Window.

P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.

Harness.

Atchison Saddlery Co., Atchison, Kans.
Cottrell Saddlery Co., Inc., Richmond, Va.
Dodson, Fisher, Brockmann Co. Minneapolis, Minn.
Graton & Knight Mfg. Co., Worcester, Mass.
Harbison & Gathright, Louisville, Ky.
Marshall-Wells Hardware Co., Duluth, Minn.
Page Belting Co., Concord, N. H.
Perkins-Campbell Co., Cincinnati, Ohio.
Russell Mfg. Co., Middletown, Conn.
Smith-Worthington Co., Hartford, Conn.
Studebaker Corp. of America, South Bend, Ind.
Montgomery Ward & Co., Chicago, Ill.

Harrows.

S. L. Allen & Co., Philadelphia, Pa.
American Seeding Machine Co., Richmond, Ind.
Bateman Mfg. Co., Grenloch, N. J.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

Harvesters, Corn (Maize).

Johnston Harvester Co., Batavia, N. Y.

Harvesters, Grain.

Holt Mfg. Co., Stockton, Cal.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Moline Plow Co., Moline, Ill.

Hat Sweat-Bands.

Charles H. Kemper, Westport, Conn.

Hatbands.

Heller Hardt Hatband Co., New York.
Pass & Kremer Hat Band Mfg. Co., Paterson, N. J.
Smith & Kaufman, New York.
Tweedy Silk Mills, Danbury, Conn.

Hatchets.

Collins & Co., New York.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co., Charleston, W. Va.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.

Hats, Cloth.

Hirschberg & Co., New York.
Charles S. Merton & Co., New York.
C. H. Tenney & Co., New York.
Cornelius Weiss, Brooklyn, N. Y.

Hats, Felt.

Ayer, Houston & Co., Inc., Portland, Me.
Bates Co., Danbury, Conn.
Gordon & Ferguson, Inc., St. Paul, Minn.
Guyer-Roelofs Co., Philadelphia, Pa.

Hats, Felt—Cont.

C. M. Hedden Co., Newark, N. J.
Knox Hat Co., Inc., New York.
D. E. Loewe & Co., Danbury, Conn.
E. A. Mallory & Sons, Inc., Danbury, Conn.
Merrimac Hat Co., Amesbury, Mass.
Charles S. Merton & Co., New York.
Frank Schoble & Co., Philadelphia, Pa.
John B. Stetson Co., Philadelphia, Pa.
C. H. Tenney & Co., New York.
Thom & Bayley, New York.
Waring Hat Mfg. Co., Yonkers, N. Y.

Hats, Silk and Opera.

Knox Hat Co., Inc., New York.

Hats, Straw.

Blum & Koch, Inc., New York.
Brigham-Hopkins Co., Baltimore, Md.
George B. Burnett & Son, New York.
William Carroll & Co., New York.
Francis Co., Inc., Baltimore, Md.
Hills Co., Amherst, Mass.
Hirschberg & Co., New York.
M. S. Levy & Sons, Inc., Baltimore, Md.
Charles S. Merton & Co., New York.
C. H. Tenney & Co., New York.
Townsend Grace Co., Baltimore, Md.

Hats, Waterproof (Oiled).

A. J. Tower Co., Boston, Mass.

Hats, Women's and Children's.

Hirschberg & Co., New York.
James G. Johnson & Co., New York.
Knox Hat Co., Inc., New York.
Merrimac Hat Co., Amesbury, Mass.
Charles S. Merton & Co., New York.

Hats, Wool.

Merrimac Hat Co., Amesbury, Mass.
Charles S. Merton Co., New York.
C. H. Tenney & Co., New York.

Hay Loaders.

Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Rock Island Plow Co., Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.

Headers, Grain.

International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Headings and Staves.

(See Staves.)

Headlights, Locomotive and Street Car.

Adams & Westlake Co., Chicago, Ill.
Buda Co., Chicago, Ill.
Crouse-Hinds Co., Syracuse, N. Y.
Dayton Mfg. Co., Dayton, Ohio.
Pyle-National Co., Chicago, Ill.
Schroeder Headlight Co., Evansville, Ind.
United States Headlight Co., Buffalo, N. Y.

Heads, Cutter.

Samuel J. Shimer & Sons, Milton, Pa.

Heads, Die.

Eastern Machine Screw Corp., New Haven, Conn.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.

Health Foods.

Horlick's Malted Milk Co., Racine, Wis.
Postum Cereal Co., Ltd., Battle Creek, Mich.

Hearses.

Crane & Breed Mfg. Co., Cincinnati, Ohio.
White Co., Cleveland, Ohio.

Heaters, Asphalt and Tar.

Littleford Bros., Cincinnati, Ohio.

Heaters, Electric.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Manhattan Electrical Supply Co., New York.
Manning, Bowman & Co., New York.

Heaters, Feed-Water.

Alberger Pump and Condenser Co., New York.
Bath Iron Works, Ltd., Bath, Me.
Brownell Co., Dayton, Ohio.
Casey-Hedges Co., Chattanooga, Tenn.
Elliott Co., Pittsburgh, Pa.
Erie City Iron Works, Erie, Pa.
Fairbanks, Morse & Co., Chicago, Ill..
Harrison Safety Boiler Works, Philadelphia, Pa.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
National Pipe Bending Co., New Haven, Conn.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Platt Iron Works Co., Dayton, Ohio.
Schütte & Koerting Co., Philadelphia, Pa.
Warren Webster & Co., Camden, N. J.
Whitlock Coil Pipe Co., Hartford, Conn.
Worthington Pump and Machinery Corp., New York.

Heaters, Fireplace, Electric.

Ohio Foundry and Mfg. Co., Steubenville, Ohio.

Heaters, Fireplace, Gas.

Ohio Foundry and Mfg. Co., Steubenville, Ohio.

Heaters, Gas.

American Foundry and Machine Co., Hamilton, Ohio.
American Gas Furnace Co., New York.
American Stove Co., St. Louis, Mo.
Continental Stove Co., Richmond, Va.
Wm. M. Crane Co., New York.
Favorite Stove and Range Co., Piqua, O.
General Gas Light Co., Kalamazoo, Mich.
Michigan Stove Co., Detroit, Mich.
National Pipe Bending Co., New Haven, Conn.
Portsmouth Stove and Range Co., Portsmouth, Ohio.
L. S. Starrett Co., Athol, Mass.

Heaters, Glue Pot.

(See Glue Pots and Heaters.)

Heaters, Hot Water and Steam.

Alberger Pump and Condenser Co., New York.
American District Steam Co., North Tonawanda, N. Y.
American Radiator Co., Chicago, Ill.
Buckwalter Stove Co., Royersford, Pa.
Abram Cox Stove Co., Philadelphia, Pa.

Heaters, Hot Water and Steam—Cont.

Floyd-Wells Co., Royersford, Pa.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren, Troy, N. Y.
Gurney Heater Mfg. Co., Boston, Mass.
Illinois Malleable Iron Co., Chicago, Ill.
Kelsey Heating Co., Inc., Syracuse, N. Y.
J. L. Mott Iron Works, New York.
National Pipe Bending Co., New Haven, Conn.
Stamford Foundry Co., Stamford, Conn.
Warren Webster & Co., Camden, N. J.

Heaters, Oil.

(See Stoves, Oil.)

Heaters, Water.

Alberger Pump and Condenser Co., New York.
American Radiator Co., Chicago, Ill.
American Stove Co., St. Louis, Mo.
Continental Stove Co., Richmond, Va.
Wm. M. Crane Co., New York.
Dayton Mfg. Co., Dayton, Ohio.
Fuller & Warren Co., Troy, N. Y.
Ruud Mfg. Co., Pittsburgh, Pa.
Whitlock Coil Pipe Co., Hartford, Conn.

Heating Apparatus, Automobile.

Chicago Flexible Shaft Co., Chicago, Ill.
Standard Parts Co., Cleveland, Ohio.

Heating Apparatus, Car.

Chicago Car Heating Co., Chicago, Ill.

Heating Apparatus, Vacuum.

Bishop-Babcock-Becker Co., Cleveland, O.

Heating Apparatus, Warm Air.

(See Furnaces, House Heating.)

Heating and Ventilating Apparatus, Steam.

American Blower Co., Detroit, Mich.
B. F. Sturtevant Co., Boston, Mass.

Heels, Rubber.

Foster Rubber Co., Boston, Mass.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Marathon Tire and Rubber Co., Cuyahoga Falls, N. Y.
United States Rubber Export Co., Ltd., New York.

Hematine Paste and Crystals.

Berlin Aniline Works, New York.
Jamaica Dyewood and Chemical Co., New York.
Logwood Products Corp., New York.
Mount Union Tanning and Extract Co., Mt. Union, Pa.

Hexamethylenetetramine.

Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., New York.

Hides.

T .M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.
Wilson & Co., Chicago, Ill.

Hinges and Butts.

Brass Goods Mfg. Co., Brooklyn, N. Y.
Chicago Spring Butt Co., Chicago, Ill.
P. & F. Corbin, New Britain, Conn.
Francis Keil & Son, New York.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sargent & Co., New York.
Stanley Works, New Britain, Conn.

Hinges, Spring.

Allith-Prouty Co., Danville, Ill.
Chicago Spring Butt Co., Chicago, Ill.
Sargent & Co., New York.

Hitchings, Car.

(See also Couplers, Car.)

American Chain Co., Inc., Bridgeport, Conn.
Buckeye Steel Castings Co., Columbus, O.
Gould Coupler Co., New York.

Hives, Bee.

A. I. Root Co., Medina, Ohio.

Hods, Brick, Steel.

W. J. Clark Co., Salem, Ohio.

Hoes.

Collins & Co., New York.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
F. E. Kohler Co., Canton, Ohio.
Sandusky Tool Co., Sandusky, Ohio.
D. & H. Scovil, Inc., Higganum, Conn.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Warwood Tool C.o, Wheeling, W. Va.

Hoes, Horse.

S. L. Allen & Co., Philadelphia, Pa.
Bateman Mfg. Co., Grenloch, N. J.

Hoists, Blast Furnace.

Brown Hoisting Machinery Co., Cleveland, Ohio.
Lidgerwood Mfg. Co., New York.
Otis Elevator Co., New York.
Pennsylvania Engineering Works, New Castle, Pa.

Hoists, Bucket.

Lamson Co., Boston, Mass.

Hoists, Chain.

John B. Adt Co., Baltimore, Md.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Chisholm-Moore Mfg. Co., Cleveland, Ohio.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Hayward Co., New York.
Palmer-Bee Co., Detroit, Mich.
Yale & Towne Mfg. Co., New York.

Hoists, Compressed Air.

Bridgeport Engineering Co., Bridgeport, Conn.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Lidgerwood Mfg. Co., New York.
Manning, Maxwell & Moore, New York.
August Mietz Corp., New York.
Worthington Pump and Machinery Corp., New York.

Hoists, Electric.

Alliance Machine Co., Alliance, Ohio.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Denver Engineering Works Co., Denver, Colo.
General Elevator Co., New York.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.
Lambert Hoisting Engine Co., Newark, N. J.
Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
Manning, Maxwell & Moore, New York.
Mead-Morrison Mfg. Co., Cambridge, Mass.
Otis Elevator Co., New York.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sprague Electric Works of General Electric Co., New York.
Vulcan Iron Works, Wilkes-Barre, Pa.
Yale & Towne Mfg. Co., New York.

Hoists, Hand.

Brown Hoisting Machinery Co., Cleveland, Ohio.
Richards-Wilcox Mfg. Co., Aurora, Ill.

Hoists, Mining.

Brown Hoisting Machinery Co., Cleveland, Ohio.
Denver Engineering Works Co., Denver, Colo.
Fairbanks, Morse & Co., Chicago, Ill.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hayward Co., New York.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.
Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., East Boston, Mass.
Otis Elevator Co., New York.

Hoists, Steam Winch.

(See Capstans.)

Holders and Cutters, Roll Paper.

(See Paper Holders and Cutters, Roll.)

Holders, Christmas Tree.

North Brothers Mfg. Co., Philadelphia, Pa.
Penn Hardware Co. Reading, Pa.

Holders, Toilet Paper.

Scott Paper Co., Philadelphia, Pa.

Hollands, Window.

Joseph Bancroft & Sons Co., Wilmington, Del.
Charles W. Breneman & Co., Cincinnati, O.
Columbia Mills, Inc., New York.
William Volker & Co., Kansas City, Mo.

Hollow-Ware, Brass.

Holbrook, Merrill & Stetson, San Francisco, Cal.

Hollow-Ware, Cast Iron.

Favorite Stove and Range Co., Piqua, O.
Lalance & Grosjean Mfg. Co., New York.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Hollow-Ware, Copper.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Manning, Bowman & Co., Meriden, Conn.
New York Stamping Co., Brooklyn, N. Y.
Silver & Co., Brooklyn, N. Y.

Hollow-Ware, Enameled.
American Stamping and Enameling Co., Bellaire, Ohio.
Baltimore Stamping and Enameling Co., Baltimore, Md.
Central Stamping Co., New York.
Cleveland Stamping and Tool Co., Cleveland, Ohio.
Columbian Enameling and Stamping Co., Terre Haute, Ind.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., New York.
National Enameling and Stamping Co., New York.
Shapleigh Hardware Co., St. Louis, Mo.
Silver & Co., Brooklyn, N. Y.
United States Stamping Co., Moundsville, W. Va.

Hollow-Ware, Glass, "Pyrex."
Corning Glass Works, Corning, N.Y.

Hollow-Ware, Laboratory.
Eimer & Amend, New York.

Hollow-Ware, Nickel Plated.
Lalance & Grosjean Mfg. Co., New York.
Manning, Bowman & Co., Meriden, Conn.
Rochester Stamping Co., Rochester, N. Y.
Silver & Co., Brooklyn, N. Y.

Hollow-Ware, Platinum.
Eimer & Amend, New York.

Hollow-Ware, Sheet Iron.
Central Stamping Co., New York.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Silver & Co., Brooklyn, N. Y.
Whitaker-Glessner Co., Wheeling, W. Va.

Hollow-Ware, Silver.
(See Silverware, Sterling.)

Hollow-Ware, Silver Plated.
American Ring Co., Waterbury, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Gorham Mfg. Co., New York.
Jennings Silver Co., Irvington, N. J.
Manning, Bowman & Co., Meriden, Conn.
Bernard Rice's Sons, New York.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
Weidlich Bros. Mfg. Co., Bridgeport, Conn.

Hollow-Ware, Steel.
Columbian Enameling and Stamping Co., Terre Haute, Ind.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., New York.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Lockwood Mfg. Co., Cincinnati, Ohio.
National Enameling and Stamping Co., New York.
New York Stamping Co., Brooklyn, N. Y.
Silver & Co., Brooklyn, N. Y.
Whitaker-Glessner Co., Wheeling, W. Va.

Hollow-Ware, Tin.
(See Tinware.)

Hominy.
American Hominy Co., Indianapolis, Ind.

Hones.
American Emery Wheel Works, Providence, R. I.
Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Ohio Quarries Co., Cleveland, Ohio.

Honey.
California Fruit Canners' Assn., San Francisco, Cal.
A. I. Root Co., Medina, Ohio.

Honey Boxes, Section and Frame.
A. I. Root Co., Medina, Ohio.

Hooks, Belting.
Clipper Belt Lacer Co., Grand Rapids, Mich.
Jewell Belting Co., Hartford, Conn.

Hooks, Bush.
Collins & Co., New York.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co., Charleston, W. Va.
L. A. Sayre Co., Newark, N. J.

Hooks and Eyes.
De Long Hook and Eye Co, Philadelphia, Pa.
Star Pin Co., Derby, Conn.
Sterling Pin Co., Derby, Conn.
West Electric Hair Curler Co., Philadelphia, Pa.

Hooks, Hat and Coat.
Brass Goods Mfg. Co., Brooklyn, N. Y.
J. P. Eustis Mfg. Co., Boston, Mass.
Sargent & Co, New York.

Hooks, Shoe Lacing.
Havell Mfg. Co., Newark, N. J.
Tubular Rivet and Stud Co., Boston, Mass.

Hooks, Iron and Steel.
Atlantic Steel Co., Atlanta, Ga.
Cary Mfg. Co., Brooklyn, N. Y.
Pittsburgh Steel Co., Pittsburgh, Pa.

Hoops, Wooden.
(See Wood, Bent.)

Horns.
Wilson & Co., Inc., Chicago, Ill.

Horse Collar Pads.
(See Pads, Harness.)

Horse Collars.
(See Collars, Horse.)

Horse-Powers.
American Hoist and Derrick Co., St. Paul, Minn.

Horse Shoe Pads, Rubber.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.

Horse Shoes.
(See Shoes, Horse and Mule.

Hose.

Acme Rubber Mfg. Co., Trenton, N. J.
Edson Mfg. Co., Boston, Mass.
Electric Hose and Rubber Co., Wilmington, Del.
Empire Rubber and Tire Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Gutta Percha and Rubber Mfg. Co., New York.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
New York Rubber Co., Inc., New York.
Quaker City Rubber Co., Philadelphia, Pa.
Rossendale-Reddaway Belting and Hose Co., Newark, N. J.
Sprague Electric Works of General Electric Co., New York.
Thermoid Rubber Co., Trenton, N. J.
United and Globe Rubber Mfg. Companies, Trenton, N. J.
United States Rubber Export Co., Ltd., New York.

Hose Supporters.

Robert N. Bassett Co., New York.
Samuel Buyer & Co., New York.
Crescent Garter Co., New York.
George Frost Co., Boston, Mass.

Hosiery, Cotton.

Barger, Bains & Munn, Inc., Philadelphia, Pa.
Berkshire Knitting Mills, Reading, Pa.
Joseph Black & Sons Co., York, Pa.
John Blood & Co., Philadelphia, Pa.
Bower & Kaufmann, Philadelphia, Pa.
Thomas E. Brown & Son, Philadelphia, Pa.
Burson Knitting Co., Rockford, Ill.
Carson Pirie Scott & Co., Chicago, Ill.
Cooper, Wells & Co., St. Joseph, Mich.
Ellis Hosiery Co., Philadelphia, Pa.
Emery-Beers Co., Inc., New York.
Everwear Hosiery Co., Milwaukee, Wis.
Holeproof Hosiery Co., Milwaukee, Wis.
Ipswich Mills, Boston, Mass.
Lawrence Mfg. Co., Boston Mass.
Lawrence & Co.. Boston, Mass.
Miller & Sons Co., West Philadelphia, Pa.
Nelson Knitting Co., Rockford, Ill.
Paramount Knitting Co., Chicago, Ill.
Parker Hosiery Mill and Dye Works, Portsmouth, Va.
Phoenix Knitting Works, Milwaukee, Wis.
Powell Knitting Co., Philadelphia, Pa.
Rambo & Regar, Inc., Norristown Pa.
Richmond Hosiery Mills, Rossville, Ga.
H. A. Romberger, Philadelphia, Pa.
Wayne Knitting Mills, Fort Wayne, Ind.
Wallace Wilson Hosiery Co., Inc., Frankford, Philadelphia, Pa.
Wise & Whitlock, Inc., New York.

Hosiery, Lisle.

Barger, Bains & Munn, Inc., Philadelphia, Pa.
Berkshire Knitting Mills, Reading, Pa.
Bower & Kaufman, Philadelphia, Pa.
Thomas E. Brown & Son, Philadelphia, Pa.
Carson Pirie Scott & Co., Chicago, Ill.
Cooper, Wells & Co., St. Joseph, Mich.
Ellis Hosiery Co., Philadelphia, Pa.
Emery-Beers Co., Inc., New York.
Everwear Hosiery Co., Milwaukee, Wis.

Hosiery, Lisle—Cont.

Interwoven Mills, Inc., New Brunswick, N. J.
Ipswich Mills, Boston, Mass.
Lawrence & Co., Boston, Mass.
Rambo & Regar, Inc., Norristown, Pa.
Richmond Hosiery Mills, Rossville, Ga.
H. A. Romberger, Philadelphia, Pa.
Wayne Knitting Mills, Fort Wayne, Ind.
Wise & Whitlock, Inc., New York.

Hosiery, Silk.

Berkshire Knitting Mills, Reading, Pa.
John Blood & Co., Philadelphia, Pa.
Bower & Kaufman, Philadelphia, Pa.
Boyd & Co., New York.
Thomas E. Brown & Sons, Philadelphia, Pa.
Burson Knitting Co., Rockford, Ill.
Carson Pirie Scott & Co., Chicago, Ill.
Cooper, Wells & Co., St. Joseph, Mich.
Emery-Beers Co., Inc., New York.
Everwear Hosiery Co., Milwaukee, Wis.
Paul Guenther, Inc., Dover, N. J.
Interwoven Mills, Inc., New Brunswick, N. J.
Ipswich Mills, Boston, Mass.
Julius Kayser & Co., New York.
Lawrence & Co., Boston, Mass.
Henry Lehmuth Co., Philadelphia, Pa.
McCallum Hosiery Co. Northampton, Mass.
Merrill Silk Co., Hornell, N. Y.
Miller & Sons Co., West Philadelphia, Pa.
Niagara Silk Mills, North Tonawanda, N. Y.
Phoenix Knitting Works, Milwaukee, Wis.
Rambo & Regar, Inc., Norristown, Pa.
Wayne Knitting Mills, Ft. Wayne, Ind.
Wallace Wilson Hosiery Co., Inc., Frankford, Philadelphia, Pa.
Wise & Whitlock, Inc., New York.

Hosiery, Woolen.

Carson Pirie Scott & Co., Chicago, Ill.
Cooper, Wells & Co., St. Joseph, Mich.
Dormer Brothers Co., Cincinnati, Ohio.
Everwear Hosiery Co., Milwaukee, Wis.
Interwoven Mills, Inc., New Brunswick, N. J.
Paramount Knitting Co., Chicago, Ill.
F. A. Patrick & Co., Duluth, Minn.
Phoenix Knitting Works, Milwaukee, Wis.
Powell Knitting Co., Philadelphia, Pa.
Radcliffe Brothers, Shelton, Conn.
Rockford Mitten and Hosiery Co., Rockford, Ill.
Wallace Wilson Hosiery Co., Inc., Frankford, Philadelphia, Pa.

Hospital Equipment.

(See also Furniture, Hospital.)

Bernstein Mfg. Co., Philadelphia, Pa.
Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Greenpoint Metallic Bed Co., Brooklyn, N. Y.
Griswoldville Mfg. Co., New York.
Hodgman Rubber Co., Tuckahoe, N. Y.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Johnson & Johnson, New Brunswick, N. J.
Kny-Scheerer Co., New York.
Lee Tire and Rubber Co., Conshohocken, Pa.
Monument Pottery Co., Trenton, N. J.
Parker, Stearns & Co., Brooklyn, N. Y.
Seabury & Johnson, New York.

Hospital Equipment—Cont.

Speakman Supply and Pipe Co., Wilmington, Del.
Troy Laundry Machinery Co., Ltd., Chicago, Ill.
United States Stamping Co., Moundsville, W. Va.
L. Wolff Mfg. Co., Chicago, Ill.

House Furnishing Goods.

Central Stamping Co., New York.
J. L. Clark Mfg. Co., Rockford, Ill.
Cleveland Stamping and Tool Co., Cleveland, Ohio.
Columbian Enameling and Stamping Co., Terre Haute, Ind.
Favorite Stove and Range Co., Piqua, O.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
L. O. Koven & Brother, Jersey City, N. J.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Manning, Bowman & Co., Meriden, Conn.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
E. Murdock & Co., Winchendon, Mass.
National Enameling and Stamping Co., New York.
New York Stamping Co., Brooklyn, N. Y.
North Brothers Mfg. Co., Philadelphia, Pa.
Penn Hardware Co., Reading, Pa.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Plume & Atwood Mfg. Co., New York.
Richmond Cedar Works, Richmond, Va.
Rochester Stamping Co., Rochester, N. Y.
Shapleigh Hardware Co., St. Louis, Mo.
Silver & Co., Inc., Brooklyn, N. Y.
John Sommer Faucet Co., Newark, N. J.
N. R. Streeter & Co., Rochester, N. Y.
Stuber & Kuck Co., Peoria, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn.
Udell Works, Indianapolis, Ind.

Houses, Portable, Steel.

Edwards Mfg. Co., Cincinnati, Ohio.
Milliken Brothers, Inc., Milliken, Staten Island, N. Y.
C. D. Pruden Co. Baltimore, Md.
St. Paul Roofing, Cornice and Ornament Co., St. Paul, Minn.
Trussed Concrete Steel Co., Youngstown, Ohio.

Houses, Portable, Wooden.

Louis Bossert & Sons, Inc., Brooklyn, N. Y.
Huttig Sash and Door Co., St. Louis, Mo.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.

Hubs, Metal.

(See Wheel Parts, Metal.)

Hubs, Spokes and Felloes.

(See Wheel Parts, Wood.)

Hullers, Clover.

Advance-Rumely Thresher Co., La Porte, Ind.
Aultman & Taylor Machinery Co., Mansfield, Ohio.

Hullers, Coffee and Rice.

Cardwell Machine Co., Richmond, Va.
Engelberg Huller Co., Syracuse, N. Y.
Huntley Mfg. Co., Silver Creek, N. Y.

Hullers, Cotton.

Cardwell Machine Co., Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.

Humidifiers.

Kelsey Heating Co., Inc., Syracuse, N. Y.
L. O. Koven & Brother, Jersey City, N. J.
G. M. Parks Co., Fitchburg, Mass.

Huskers, Corn.

(See Shellers and Huskers, Corn.)

Hydrants, Fire.

Bourbon Copper and Brass Works Co., Cincinnati, Ohio.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Eddy Valve Co., Waterford, N. Y.
General Fire Extinguisher Co., Providence, R. I.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
Hays Mfg. Co., Erie, Pa.
Ludlow Valve Mfg. Co., Troy, N. Y.
Pratt & Cady Co. Hartford, Conn.
A. P. Smith Mfg. Co., East Orange, N. J.
Roe Stephens Mfg. Co., Detroit, Mich.
Worthington Pump and Machine Corp., New York.

Hydro-Extractors.

American Laundry Machinery Co., Cincinnati, Ohio.
American Tool and Machine Co., Boston, Mass.
Schaum & Uhlinger, Inc., Philadelphia, Pa.

Hydrogen Peroxide.

Albany Chemical Co., Albany, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Hydrometers.

(See Thermometers.)

Hypernic Extract.

Jamaica Dyewood and Chemical Co., New York.

Ice.

Consumers Co., Chicago, Ill.
Dayton Breweries Co., Dayton, Ohio.
Knickerbocker Ice Co., New York.
Pasadena Ice Co., Pasadena, Cal.

Ice Breakers.

Harrison Safety Boiler Works, Philadelphia, Pa.

Ice and Refrigerating Machinery.

(See Machinery, Ice Making; also, Machinery, Refrigerating.)

Ice Tools.

(See Tools, Ice.)

Igniters, Gas Engine.

Bosch Magneto Co., New York.
Connecticut Telephone and Electric Co., Meriden, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., New York.
Splitdorf Electrical Co., Newark, N. J.

Incinerators, Garbage.

Illinois Malleable Iron Co., Chicago, Ill.
Ruud Mfg. Co., Pittsburgh, Pa.

Index Labels and Supplies.

H. C. Cook Co., Ansonia, Conn.
Shaw-Walker Co., Muskegon, Mich.
Yawman & Erbe Mfg. Co, Rochester, N. Y.

Indicators, Speed.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
L. S. Starrett Co., Athol, Mass.

Indicators, Steam Engine.

Manning, Maxwell & Moore, Inc., New York.

Infusorial Earths.

Hamill & Gillespie, New York.

Injectors.

American Injector Co., Detroit, Mich.
Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Jenkins Brothers, New York.
Lunkenheimer Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, Inc., New York.
Nathan Mfg. Co., New York.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
Schütte & Koerting Co., Philadelphia, Pa.
William Sellers & Co., Philadelphia, Pa.

Ink, Burnishing.

Frank Miller Co., New York.

Ink, Drawing.

Carter's Ink Co., Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.

Ink, Indelible.

Carter's Ink Co., Boston, Mass.
Fulton Specialty Co., Elizabeth, N. J.

Ink, Lithographic.

Ault & Wiborg Co., Cincinnati, Ohio.
Fuchs & Lang Mfg. Co., New York.

Ink, Marking and Stenciling.

Binney & Smith Co., New York.
Carter's Ink Co., Boston, Mass.
Fulton Specialty Co., Elizabeth, N. J.

Ink, Printing.

Ault & Wiborg Co., Cincinnati, Ohio.
Fuchs & Lang Mfg. Co., New York.

Ink, Writing.

J. C. Blair Co., Huntingdon, Pa.
Carter's Ink Co., Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
S. S. Stafford, Inc., New York.

Inkstands and Ink Wells.

William Schimper & Co., Hoboken, N. J.
Samuel C. Tatum Co., Cincinnati, Ohio.

Insecticides.

C. B. Dolge Co., Westport, Conn.
Grasselli Chemical Co., Cleveland, Ohio.
Merck & Co., New York.
William Peterman, Inc., New York.
Sherwin-Williams Co., Cleveland, Ohio.
Union Oil Co. of California, Los Angeles, Cal.

Inspection Engineers.

(See Engineers, Inspection.)

Instruments, Dental.

Chicago Wheel and Mfg. Co., Chicago, Ill.
Consolidated Dental Mfg. Co., New York.
Ritter Dental Mfg. Co., Rochester, N. Y.

Instruments, Electrical Measuring.

(See Electrical Measuring Instruments.)

Instruments, Musical.

(See also Organs, also Pianos.)

Lyon & Healy, Chicago, Ill.
A. Schoenhut Co., Philadelphia, Pa.
Rudolph Wurlitzer Co., Cincinnati, Ohio.
J. W. York & Sons, Grand Rapids, Mich.

Instruments, Precision.

(See Tools, Precision; also Instruments, Scientific.)

Instruments, Scientific.

W. & L. E. Gurley, Troy, N. Y.
Shore Instrument and Mfg. Co., New York.
Taylor Instrument Companies, Rochester, N. Y.

Instruments, Surgical.

Kny-Scheerer Co., New York.
Taylor Instrument Companies, Rochester, N. Y.

Instruments, Surveying.

W. & L. E. Gurley, Troy, N. Y.
L. S. Starrett Co., Athol, Mass.

Insulating Apparatus.

Buffalo Foundry and Machine Co., Buffalo, N. Y.

Insulating Material.

American Hard Rubber Co., New York.
American Vulcanized Fibre Co., Wilmington, Del.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Armstrong Cork and Insulation Co., Pittsburgh, Pa.
Bishop Gutta Percha Co., New York.
Philip Carey Mfg. Co., Lockland, Ohio.
Case Brothers, Inc., Highland Park, Manchester, Conn.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Essex Rubber Co., Trenton, N. J.
General Bakelite Co., New York.
Imperial Porcelain Works, Trenton, N. J.
H. W. Johns-Manville Co., New York.
Johns-Pratt Co., Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
Kerite Insulated Wire and Cable Co., Inc., New York.
Keystone Roofing Mfg. Co., York, Pa.
Lee Tire and Rubber Co., Conshohocken, Pa.
Ohio Brass Co., Mansfield, Ohio.
Standard Paint Co., New York.
Standard Underground Cable Co., Pittsburgh, Pa.
Standard Varnish Works, New York.
H. F. Watson Co., Erie, Pa.

Insulator Pins.

Central Lumber Co., Chattanooga, Tenn.
Oliver Iron and Steel Co., Pittsburgh, Pa.

Insulators, Glass.

Hemingray Glass Co., Covington, Ky.

Insulators, Mica.

Johns-Pratt Co., Hartford, Conn.

Insulators, Porcelain.

Colonial Sign and Insulator Co., Akron, O.
Ohio Brass Co., Mansfield, Ohio.
Star Porcelain Co., Trenton, N. J.
Trenton Porcelain Co., Trenton, N. J.
Weber Electric Co. Schenectady, N. Y.

Insulators, Vulcanized Fibre.

American Vulcanized Fibre Co., Wilmington, Del.

Iodide.

Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Iodine.

Albany Chemical Co., Albany, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Iron, Band and Hoop.

Cary Mfg. Co., Brooklyn, N. Y.
Fort Wayne Rolling Mill Corp., Ft. Wayne, Ind.
Lockhart Iron and Steel Co., Pittsburgh, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Iron Blooms.

Reeves Mfg. Co., Dover, Ohio.

Iron, Chloride of.

Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Iron Fillers.

Felton, Sibley & Co., Inc., Philadelphia, Pa.
Heath & Milligan Mfg. Co., Chicago, Ill.
John Lucas & Co., Inc., Philadelphia, Pa.
Pecora Paint Co., Philadelphia, Pa.

Iron, Merchant Bar.

Allegheny Steel Co., Pittsburgh, Pa.
American Car and Foundry Co., New York.
American Chain Co., Inc., Bridgeport, Conn.
American Iron and Steel Mfg. Co., Lebanon, Pa.
Bourne-Fuller Co., Cleveland, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Columbus Iron and Steel Co., Columbus, O.
Empire Rolling Mill Co., Cleveland, Ohio.
Fort Wayne Rolling Mill Corp., Fort Wayne, Ind.
Davis Brothers, Philadelphia, Pa.
Hoopes & Townsend Co., Philadelphia, Pa.
Knoxville Iron Co., Knoxville, Tenn.
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt and Nut Co., Scranton, Pa.
Union Rolling Mill Co., Cleveland, Ohio.
Westerman & Co., Lockport, N. Y.
Youngstown Sheet and Tube Co. Youngstown, Ohio.

Iron, Muck Bar.

Kittanning Iron and Steel Mfg. Co., Pittsburgh, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Iron Nitrate.

General Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Iron Ore.

Empire Steel and Iron Co., Catasauqua, Pa.
Grasselli Chemical Co., New York.
M. A. Hanna & Co., Cleveland, Ohio.
Pittsburgh Steel Co., Pittsburgh, Pa.
Sloss-Sheffield Steel and Iron Co., Birmingham, Ala.

Iron Oxides.

C. K. Williams & Co., Easton, Pa.

Iron, Pig.

Belfont Iron Works Co., Ironton, Ohio.
Buffalo Union Furnace Co., Buffalo, N. Y.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Clinton Iron and Steel Co., Pittsburgh, Pa.
Columbus Iron and Steel Co., Columbus, O.
Empire Steel and Iron Co., Catasauqua, Pa.
Gulf States Steel Co., Birmingham, Ala.
M. A. Hanna & Co., Cleveland, Ohio.
Iroquois Iron Co., Chicago, Ill.
Kittanning Iron and Steel Mfg. Co., Pittsburgh, Pa.
La Belle Iron Works, Steubenville, Ohio.
Marting Iron and Steel Co., Ironton, Ohio.
Musconetcong Iron Works, Elizabethport, N. J.
Napier Iron Works, Nashville, Tenn.
Pickands, Mather & Co., Cleveland, Ohio.
Pittsburgh Steel Co., Pittsburgh, Pa.
Roane Iron Co., Chattanooga, Tenn.
Rogers-Brown Iron Co., Buffalo, N. Y.
Rogers, Brown & Co., Cincinnati, Ohio.
Sloss-Sheffield Steel and Iron Co., Birmingham, Ala.
Stewart Iron Co., Ltd., Sharon, Pa.
Struthers Furnace Co., Cleveland, Ohio.
Wheeling Steel and Iron Co. Wheeling, W. Va.
Woodward Iron Co., Woodward, Ala.
Youngstown Sheet and Tube Co. Youngstown, Ohio.
Zenith Furnace Co., West Duluth, Minn.

Iron, Pig, Basic.

Gulf States Steel Co., Birmingham, Ala.
Marting Iron and Steel Co., Ironton, Ohio.
Rogers-Brown Iron Co., Buffalo, N. Y.

Iron, Pig, Foundry.

Chattanooga Iron and Coal Corp., Chattanooga, Tenn.
Marting Iron and Steel Co., Ironton, Ohio.
Rogers-Brown Iron Co., Buffalo, N. Y.

Iron, Pig, Malleable.

Ashland Iron and Mining Co., Ashland, Ky.
Buffalo Union Furnace Co., Buffalo, N. Y.
Clinton Iron and Steel Co., Pittsburgh, Pa.
Columbus Iron and Steel Co., Columbus, O.
Marting Iron and Steel Co., Ironton, Ohio.
Rogers-Brown Iron Co., Buffalo, N. Y.

Iron, Plate.

Allegheny Steel Co., Pittsburgh, Pa.
Calumet Iron Works, Newark, N. J.
Glasgow Iron Co., Pottstown, Pa.
La Belle Iron Works, Steubenville, Ohio.

Iron, Puddled.

(See Iron, Muck Bar.)

Iron, Rivet, Bolt and Screw.

(See Screw Iron.)

Iron, Sheet.

Allegheny Steel Co., Pittsburgh, Pa.
Ashland Iron and Mining Co., Ashland, Ky.
La Belle Iron Works, Steubenville, Ohio.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Iron, Sheet Corrugated.

Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Iron, Skelp.

La Belle Iron Works, Steubenville, Ohio.
Reeves Mfg. Co., Dover, Ohio.
Wheeling Steel and Iron Co., Wheeling, W. Va.

Iron, Sulphate of.

Mallinckrodt Chemical Works, St. Louis, Mo.

Ironing Machines.

(See Machinery, Laundry.)

Ironwork, Architectural.

Adlerhurst Iron Co., New Haven, Conn.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Dow Wire and Iron Works, Louisville, Ky.
Hecla Iron Works, Brooklyn, New York.
Love Brothers, Inc., Aurora, Ill.
James McKinney & Son, Albany, N. Y.
J. L. Mott Iron Works, New York.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Smyser-Royer Co., York, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Ironwork, Ornamental.

Adlerhurst Iron Co., New Haven, Conn.
Anchor Post Iron Works, New York.
Calumet Iron Works, Newark, N. J.
Dow Wire and Iron Works, Louisville, Ky.
Love Brothers, Inc., Aurora, Ill.
James McKinney & Son, Albany, N. Y.
J. L. Mott Iron Works, New York.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Smith & Caffrey Co., Syracuse, N. Y.
Smyser-Royer Co., York, Pa.
W. S. Tyler Co., Cleveland, Ohio.
Wright Wire Co., Worcester, Mass.

Ironwork, Plate and Sheet.

Atlantic Works, East Boston, Mass.
Berger Mfg. Co., Canton, Ohio.
Bigelow Co., New Haven, Conn.
John Brennan & Co., Detroit, Mich.
Continental Iron Works, Brooklyn, N. Y.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Glasgow Iron Co., Pottstown, Pa.
Holbrook, Merrill & Stetson, San Francisco Cal.
Kroeschell Brothers Co. Chicago, Ill.
David Lupton's Sons Co., Philadelphia, Pa.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
John Mohr & Sons, Chicago Ill.
Pennsylvania Engineering Works, New Castle, Pa.

Ironwork, Plate and Sheet—Cont.

Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Stacey Mfg. Co., Cincinnati, Ohio.
A. L. Swett Iron Works, Medina, N. Y.
Variety Iron and Steel Works Co. Cleveland, Ohio.

Ironwork, Structural.

(See Structural Iron and Steel.)

Isinglass.

American Glue Co., Boston, Mass.

Jacks, Bridge.

Buda Co., Chicago, Ill.

Jacks, Hydraulic.

Duff Mfg. Co., Pittsburgh, Pa.
Watson-Stillman Co., New York.

Jacks, Lever (Wagon and Automobile).

Duff Mfg. Co., Pittsburgh, Pa.
Millers Falls Co., Millers Falls, Mass.
Weaver Mfg. Co., Springfield, Ill.

Jacks, Pneumatic.

Duff Mfg. Co., Pittsburgh, Pa.

Jacks, Pump.

Alamo Iron Works, San Antonio, Texas.
Flint & Walling Mfg. Co., Kendallville, Ind.
Spang & Co. Butler, Pa.
Worthington Pump and Machinery Corp., New York.

Jacks, Timber.

Lane Mfg. Co., Montpelier, Vt.

Jacks, Tool Wrenching.

Duff Mfg. Co., Pittsburgh, Pa.

Jackscrews.

American Skein and Foundry Co., Racine, Wis.
Duff Mfg. Co., Pittsburgh, Pa.
Illinois Iron and Bolt Co., Carpentersville, Ill.
Millers Falls Co., Millers Falls, Mass.
Sargent & Co., New York.
L. S. Starrett Co., Athol, Mass.
A. L. Swett Iron Works, Medina, N. Y.

Jacquard, Cards.

Case Brothers, Inc., Highand Park, Manchester, Conn.

Jail and Cell Work, Steel.

East Iron and Machine Co., Lima, Ohio.
Mesker Bros. Iron Co., St. Louis, Mo.
Union Iron Works of Los Angeles, Los Angeles, Cal.

Japanned Ware.

Central Stamping Co., New York.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
National Enameling and Stamping Co., New York.
Stuber & Kuck Co., Peoria, Ill.

Japans.

(See Varnishes.)

Jars, Battery.

Corning Glass Works, Corning, N. Y.

Jars, Druggists' and Perfumers'.
Carr-Lowery Glass Co., Baltimore, Md.
Hazel-Atlas Glass Co., Wheeling, W. Va.

Jars, Fruit.
Ball Brothers Glass Mfg. Co., Muncie, Ind.
Federal Glass Co., Columbus, Ohio.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Kearns-Gorsuch Bottle Co., Zanesville, O.
United States Glass Co., Pittsburgh, Pa.

Jars, Milk, Glass.
J. T. and A. Hamilton Co., Pittsburgh, Pa.

Jaws, Face Plate.
Cushman Chuck Co., Hartford, Conn.
Skinner Chuck Co., New Britain, Conn.

Jelly Powders.
W. & H. Walker, Pittsburgh, Pa.

Jewelers' Findings.
B. A. Ballou & Co., Inc., Providence, R. I.
Davidson & Schwab, Inc., New York.
Geo. H. Fuller & Son Co. Pawtucket, R. I.
Handy & Harman, New York.
Newark Watch Case Material Co., Newark, N. J.
Charles Nobs & Son, Newark, N. J.
William H. Taylor & Co., Newark, N. J.
Wiegand & Co., Newark, N. J.

Jewelers' Supplies.
American Oil and Supply Co., Newark, N. J.
W. S. Hough, Jr., Co., Providence R. I.

Jewelry, Diamond Mounted.
(See Diamonds.)

Jewelry, Gold-Filled, Gold Plated, Rolled Gold, Etc.
Bassett Jewelry Co. Providence, R. I.
Theodore W. Foster & Bro. Co., Providence, R. I.
Irons & Russell Co., Providence, R. I.
Krementz & Co., Newark, N. J.
John T. Mauran Mfg. Co., Providence, R. I.
Ostby & Barton Co., Providence, R. I.
Rueff Brothers, New York.
Samstag & Hilder Bros., New York.
R. F. Simmons Co., Attleboro, Mass.
Waite, Thresher Co., Providence R. I.
Wightman & Hough Co., Providence R. I.
Wolcott Mfg. Co., Providence, R. I.

Jewelry Mountings.
Baker & Co., Inc., Newark, N. J.

Jewelry, Platinum.
Carter, Gough & Co., Newark N. J.
Davidson & Schwab Inc., New York.
Dreicer & Co. New York.
Jung & Klitz, New York.
John R. Keim. New York.
Krementz & Co., Newark, N. J.
Walter P. McTeigue, New York.
Osmun-Parker Mfg. Co., Newark, N. J.
B. M. Shanley, Jr., Co., Newark, N. J.

Jewelry, Silver.
George H. Cahoone Co., Providence, R. I.
Theodore W. Foster & Bro. Co., Providence, R. I.
Long & Koch Co., Newark, N. J.

Jewelry, Silver—Cont.
B. M. Shanley, Jr., Co., Newark, N. J.
Waite, Thresher Co., Providence, R. I.

Jewelry, Solid Gold.
B. A. Ballou & Co., Inc., Providence, R. I.
Bassett Jewelry Co., Providence, R. I.
Carter, Gough & Co., New York.
Davidson & Schwab, Inc., New York.
Dreicer & Co., New York.
Durand & Co., Newark, N. J.
Eckfeldt & Ackley, Newark, N. J.
W. C. Edge Jewelry Co., Newark, N. J.
Theodore W. Foster & Bro. Co., Providence, R. I.
J. A. & S. W. Granbery, Inc., Newark, N. J.
Irons & Russell Co., Providence, R. I.
Jung & Klitz, New York.
Kautzmann & Co., Newark, N. J.
Krementz & Co., Newark, N. J.
Link & Angell, Inc., Newark, N. J.
Long & Koch Co., Newark, N. J.
John T. Mauran Mfg. Co., Providence, R. I.
Ludwig Nissen & Co., New York.
Osmun-Parker Mfg. Co., Newark, N. J.
Ostby & Barton Co., Providence, R. I.
Rueff Brothers, New York.
William Scheer, New York.
F. P. Scofield & Co., Newark, N. J.
B. M. Shanley, Jr., Co., Newark, N. J.
Shreve & Co., San Francisco, Cal.
R. F. Simmons Co., Attelboro, Mass.
E. L. Spencer Co., Inc., Providence, R. I.
Waite, Thresher Co., Providence, R. I.
Wiegand & Co., Newark, N. J.
Wightman & Hough Co., Providence, R. I.

Jigs and Fixtures, Drilling and Milling.
Gisholt Machine Co., Madison, Wis.
Slocum, Avram & Slocum, Inc., New York.
Traylor Engineering and Mfg. Co., Allentown, Pa.

Joints, Expansion.
Alberger Pump & Condenser Co., New York.
American District Steam Co., North Tonawanda, N. Y.
E. B. Badger & Sons Co., Boston, Mass.
R. D. Nuttall Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.

Joints, Steam, Gas and Water.
(See Fittings, Steam, Gas and Water.)

Joints, Universal.
Baush Machine Tool Co., Springfield, Mass.
Merchant & Evans Co., Philadelphia, Pa.

Kalsomine.
Adams & Elting Co., Chicago, Ill.
Alabastine Co., Grand Rapids, Mich.
Ilsley-Doubleday & Co., New York.

Kegs, Steel.
W. J. Clark Co., Salem, Ohio.

Kerosene.
Atlantic Refining Co., Philadelphia, Pa.
Indian Refining Co., New York.
Standard Oil Co. of New York, New York.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
Valvoline Oil Co., New York.

Kerseys.

W. J. Dickey & Sons, Inc., New York.
Dunn Worsted Mills, Woonsocket, R. I.
Forstmann & Huffmann Co., Passaic, N. J.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Worumbo Mfg. Co., Bath, Me.

Ketchup.

Curtice Brothers Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Inc., Chicago, Ill.
Loudon Packing Co., Terre Haute, Ind.
E. Pritchard, New York.

Kettles, Galvanizing.

Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Kettles, Melting.

W. J. Clark Co., Salem, Ohio.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.
G. L. Stuebner Iron Works, Long Island City, N. Y.

Kettles, Soap.

Littleford Brothers, Cincinnati, Ohio.

Kettles, Steam Jacketed.

E. B. Badger & Sons Co., Boston, Mass.
Blymyer Iron Works Co., Cincinnati, Ohio.
Bernard Gloekler Co., Pittsburgh, Pa.
L. O. Koven & Brothers, Jersey City, N. J.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Thomas Mills & Bro., Inc., Philadelphia, Pa.
J. L. Mott Iron Works, New York.
Petroleum Iron Works of Ohio, Sharon, Pa.
Sowers Mfg. Co., Buffalo, N. Y.

Kettles, Sugar.

E. B. Badger & Sons Co., Boston, Mass.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
L. O. Koven & Brother, Jersey City, N. J.

Keys and Key Blanks.

Corbin Cabinet Lock Co., New Britain, Conn.
Excelsior Hardware Co., Stamford, Conn.
Francis Keil & Sons, New York.

Keys, Machine.

Whitney Mfg. Co., Hartford, Conn.

Keyseaters.

(See also Machines, Keyseating.)

Mitts & Merrill, Saginaw, Mich.

Khaki Cloth.

American Printing Co., Fall River, Mass.
M. C. Borden & Sons, New York.
Lawrence & Co., Boston, Mass.
Merrimack Mfg. Co., Boston, Mass.
John H. Meyer & Co., New York.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Proximity Mfg. Co., Greensboro, N. C.

Kilns, Cement, Rotary.

Bonnot Co., Canton, Ohio.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Vulcan Iron Works, Wilkes-Barre, Pa.
Worthington Pump and Machinery Corp., New York.

Kilns, China.

L. O. Koven & Brother, Jersey City, N. J.

Kilns, Dry.

American Blower Co., Detroit, Mich.
A. H. Andrews Co., Chicago, Ill.
Bonnot Co., Canton, Ohio.
Grand Rapids Veneer Works, Grand Rapids, Mich.

Kilns, Lime.

Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Kitchen Equipment, Hotel and Restaurant.

Wm. M. Crane Co. New York.
Fuller-Warren Co., Milwaukee, Wis.
Bernard Gloekler Co., Pittsburgh, Pa.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Read Machinery Co., Inc., York Pa.

Kitchens, Field.

Littleford Brothers, Cincinnati, Ohio.

Kitchenware.

(See also Hollow-ware.)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Stamping and Enameling Co., Bellaire, Ohio.
Baltimore Stamping and Enameling Co., Baltimore, Md.
Central Stamping Co., New York.
Cleveland Stamping and Tool Co. Cleveland, Ohio.
Columbian Enameling and Stamping Co., Terre Haute, Ind.
Favorite Stove and Range Co., Piqua, O.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Lalance & Grosjean Mfg. Co., New York.
National Enameling and Stamping Co., New York.
New York Stamping Co., Brooklyn, N. Y.
Silver & Co., Brooklyn, N. Y.
N. R. Streeter & Co., Rochester, N. Y.
Stuber & Kuck, Peoria, Ill.
United States Stamping Co., Moundsville, W. Va.

Kits, "Thermos" Luncheon.

American Thermos Bottle Co., New York.

Knife and Fork Combined.

A. A. Marks, New York.

Knit Goods.

(See Hosiery; also Underwear, Knit; also Knitted Fabrics; also Sweaters; also Neckwear.)

Knitted Fabrics.

Boyd & Co., New York.
French & Ward, New York.
Gilbert Knitting Co., Little Falls, N. Y.
Lebanon Mill Co., Pawtucket, R. I.
John K. Stewart & Sons, Amsterdam, N. Y.

Knives, Bread, Serrated.

Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Knives, Butchers'.
John Chatillon & Sons, New York.
Lamson & Goodnow Mfg. Co. Shelburne Falls, Mass.

Knives, Cane.
Collins & Co., New York.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
Simonds Mfg. Co., Fitchburg, Mass.

Knives, Corn.
Bateman Mfg. Co., Grenloch, N. J.
Henry Disston & Sons, Inc., Philadelphia, Pa.

Knives, Excelsior.
Ohio Knife Co., Cincinnati, Ohio.

Knives, Farriers'.
Challenge Cutlery Co., Bridgeport, Conn.
Heller Brothers Co., Newark, N. J.

Knives and Fork, Table.
Benedict Mfg. Co., East Syracuse, N. Y.
Gorham Mfg. Co., New York.
International Silver Co., Meriden, Conn.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Meriden Cutlery Co., South Meriden, Conn.
Northampton-Cutlery Co., Northampton, Mass.
Ontario Silver Co., Muncie, Ind.
R. Wallace & Son's Mfg. Co., Wallingford, Conn.

Knives, Hunting.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Knives, Kitchen.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Knives, Leather-Splitting.
American Tool and Machine Co., Boston, Mass.
R. J. Dowd Knife Works, Beloit, Wis.
Simonds Mfg. Co., Fitchburg, Mass.

Knives, Machine.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Inc., Philadelphia, Pa.
R. J. Dowd Knife Works, Beloit, Wis.
Ohio Knife Co., Cincinnati, Ohio.
Samuel J. Shimer & Sons, Milton, Pa.
Simonds Mfg. Co., Fitchburg, Mass.
A. A. Simonds & Son Co., Dayton, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.

Knives, Mower and Reaper.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Knives, Painters' and Druggists'.
Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Knives, Paper Trimming.
(See also Cutters, Paper.)
R. J. Dowd Knife Works, Beloit, Wis.
Ohio Knife Co., Cincinnati, Ohio.
A. A. Simonds & Son Co., Dayton, Ohio.

Knives, Pocket.
Challenge Cutlery Corp., Bridgeport, Conn.
John Chatillon & Sons, New York.
Robeson Cutlery Co., Rochester, N. Y.
Walden Knife Co., Walden, N. Y.

Knives, Scraping.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Knives, Shear.
Heppenstall Forge and Knife Co., Pittsburgh, Pa.
Ohio Knife Co., Cincinnati, Ohio.

Knives, Tobacco and Cigarette.
Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio.
North Brothers Mfg. Co., Philadelphia, Pa.
Simonds Mfg. Co., Fitchburg, Mass.

Knives, Veneer Cutting.
R. J. Dowd Knife Works, Beloit, Wis.
Ohio Knife Co., Cincinnati, Ohio.
Simonds Mfg. Co., Fitchburg, Mass.

Knobs, Door.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Piqua Handle and Mfg. Co., Piqua, Ohio.
Sargent & Co., New York.

Kodaks.
Eastman Kodak Co., Rochester, N. Y.

Kraft Kona Wall Coverings.
H. B. Wiggin's Sons Co., Bloomfield, N. J.

Kryolith.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Labels.
American Tag Co., Chicago, Ill.
Brandon Printing Co., Nashville, Tenn.
Genesee Valley Lithograph Co., Rochester, N. Y.
Henderson Lithographing Co., Cincinnati, Ohio.
John Mellor & Sons, Pittsburgh, Pa.
Nevins-Church Press, New York.
Schmidt Lithograph Co., San Francisco, Cal.
Simpson & Doeller Co., Baltimore, Md.
Strobridge Lithographing Co., Cincinnati, Ohio.
Tablet and Ticket Co., Chicago, Ill.
Walcutt Bros. Co., New York.

Labels, Woven.
German Artistic Weaving Co., New York.

Laboratory Equipment.
(See also Chemists' and Assayers' Supplies.)
J. H. Day Co., Cincinnati, Ohio.
Eimer & Amend, New York.

Lace Leather.
Alexander Bros., Philadelphia, Pa.
Bay State Belting Co., Boston, Mass.
Bradford Belting Co., Cincinnati, Ohio.
Clipper Belt Lacer Co., Grand Rapids, Mich.
Graton & Knight Mfg. Co., Worcester, Mass.
Hudson Belting Co., Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Charles A. Schieren Co., New York.
Albert Trostel & Sons Co., Milwaukee, Wis.
I. B. Williams & Sons, Dover, N. H.

Laces, Silk and Cotton.

American Bobbinet Co., Newburgh, N. Y.
John Bromley & Sons, Inc., Philadelphia, Pa.
Hall Lace Co., Jersey City, N. J.
Louis Hamburger & Co., New York.
Alb. & E. Henkels, Bridgeport, Conn.
William Meyer & Co., New York.
Patchogue Mfg. Co., New York.
E. & Z. Van Raalte, Inc., New York.
Vari Lace Mfg. Co., New York.
P. K. Wilson & Son., New York.

Lacings, Corset and Shoe.

Ansonia O. & C. Co., Ansonia, Conn.
Samuel Buyer & Co., New York.
Joslin Mfg. Co., Providence, R. I.
Narrow Fabric Co., Reading, Pa.

Lacquers.

Ault & Wiborg Co., Cincinnati, Ohio.
Berry Bros., Detroit, Mich.
General Bakelite Co., New York.
Gerstendorfer Bros., New York.
Franklin H. Kalbfleisch Co., New York.
Maas & Waldstein Co., New York.
Moller & Schumann Co., Brooklyn, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Richards & Co., Inc., New York.
Standard Varnish Works, New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Ladder Shoes, Safety.

Goodyear Tire and Rubber Co., Akron, O.

Ladders.

Udell Works, Indianapolis, Ind.

Ladders, Rolling.

Allith-Prouty Co., Danville, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.

Ladles, Foundry.

W. J. Cark Co., Salem, Ohio.
McCullough-Dalzell Crucible Co., Pittsburgh, Pa.
John Mohr & Sons, Chicago, Ill.
Pennsylvania Engine Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Ladles, Melting.

W. J. Clark Co., Salem, Ohio.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.

Lamp Black.

Binney & Smith Co., New York.

Lamp Chimneys.

(See Chimneys, Lamp.)

Lamp Globes and Shades.

(See also Globes, Gas and Electric Light.)

Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Co., Brooklyn, N. Y.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Phoenix Glass Co., Pittsburgh, Pa.

Lamp Posts, Cast Iron.

Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., New York.
Electric Railway Equipment Co., Cincinnati, Ohio.
Hecla Iron Works, Brooklyn, N. Y.

Lamp Trimmings.

Best Light Co., Canton, Ohio.
Edward Miller & Co., Meriden, Conn.
Plume & Atwood Mfg. Co., New York.

Lamps, Acetylene.

Best Light Co., Canton, Ohio.
Wolf Safety Lamp Co. of America, Inc., New York.

Lamps, Automobile.

Adams & Westlake Co., Chicago, Ill.
Armspear Mfg. Co., New York.
Corcoran-Victor Co., Cincinnati, Ohio.
C. Cowles & Co., New Haven, Conn.
R. E. Dietz Co., New York.
Edmunds & Jones Corp., Detroit, Mich.
English & Mersick Co., New Haven, Conn.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
Interstate Electric Novelty Co., Brooklyn, N. Y.
Stewart-Warner Speedometer Corp., Chicago, Ill.

Lamps, Bicycle.

Bridgeport Brass Co., Bridgeport, Conn.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
Interstate Electric Novelty Co., Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn.

Lamps, Brass.

Best Light Co., Canton, Ohio.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
R. E. Dietz Co., New York.
Manhattan Brass Co., New York.
Edward Miller & Co., Meriden, Conn.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co., New York.

Lamps, Carriage.

C. Cowles & Co., New Haven, Conn.
R. E. Dietz Co., New York.
Edmunds & Jones Corp., Detroit, Mich.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.

Lamps, Electric Arc.

Best Light Co., Canton, Ohio.
General Electric Co., Schenectady, N. Y.

Lamps, Flash, Electric.

Interstate Electric Novelty Co., Brooklyn, N. Y.

Lamps, Gas.

Best Light Co., Canton, Ohio.
General Gas Light Co., Kalamazoo, Mich.
Edward Miller & Co., Meriden, Conn.
Welsbach Co., Gloucester, N. J.

Lamps, Glass.

Fostoria Glass Co., Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
F. H Lovell & Co, Arlington, N. J.
Edward Miller & Co., Meriden, Conn.
United States Glass Co., Pittsburgh, Pa.

Lamps, Hydro-Carbon.

Welsbach Co., Gloucester, N. J.

Lamps, Incandescent Electric.
Franklin Electric Mfg. Co., Hartford, Conn.
General Electric Co., Schenectady, N. Y.
Lux Mfg. Co., Hoboken, N. J.
Whitelite Electric Co., New York.

Lamps and Mantles, Incandescent Gas.
General Gas Light Co., Kalamazoo, Mich.
Welsbach Co., Gloucester City, N. J.

Lamps, Marine.
Hawthorne Mfg. Co., Inc., Bridgeport, Conn.
F. H. Lovell & Co., Arlington, N. J.

Lamps, Miners.
Wolf Safety Lamp Co. of America, Inc., New York.

Lamps, Railroad.
(See Lamps, Railroad Car; also Lamps, Signal; also Lanterns, Railroad and Ship; also Headlights, Locomotive and Street Car.)

Lamps, Railroad Car.
Adams & Westlake Co., Chicago, Ill.
Armspear Mfg. Co., New York.
Best Light Co., Canton, Ohio.
Dayton Mfg. Co., Dayton, Ohio.
R. E. Dietz Co., New York.
F. H. Lovell & Co., Arlington, N. J.

Lamps, Safety, Electric, Acetylene and Naphtha.
Wolf Safety Lamp Co. of America, Inc., New York.

Lamps, Signal.
Adams & Westlake Co., Chicago, Ill.
Armspear Mfg. Co., New York.
Peter Gray & Sons, Inc., Cambridge, Mass.
F. H. Lovell & Co., Arlington, N. J.

Lamps, Street.
Best Light Co., Canton, Ohio.
General Gas Light Co., Kalamazoo, Mich.
Smyser-Royer Co., York, Pa.

Lamps, Street, Gasoline.
Best Light Co., Canton, Ohio.

Lanoline.
Merck & Co., New York.
North Star Chemical Works, Lawrence, Mass.

Lanterns.
Adams & Westlake Co., Chicago, Ill.
Best Light Co., Canton, Ohio.
R. E. Dietz Co., New York.
Charles D. Durkee & Co., New York.
Peter Gray & Sons, Inc., Cambridge, Mass.
Edward Miller & Co., Meriden, Conn.
Smyser-Royer Co., York, Pa.
Wheeling Stamping Co., Wheeling, W. Va.

Lanterns, Railroad and Ship.
Adams & Westlake Co., Chicago, Ill.
Armspear Mfg. Co., New York.
Dayton Mfg. Co., Dayton, Ohio.
R. E. Dietz Co., New York.
Charles D. Durkee & Co., New York.
Peter Gray & Sons, Inc., Cambridge, Mass.
F. H. Lovell & Co., Arlington, N. J.
Wheeling Stamping Co., Wheeling, W. Va.

Lap Robes and Dusters.
Sidney Blumenthal & Co., New York.
L. C. Chase & Co., Boston, Mass.
Holyoke Plush Co., Boston, Mass.
Nathan Novelty Mfg. Co., New York.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co., Duluth, Minn.
Peace Dale Mfg. Co., Peace Dale, R. I.
Pendleton Woolen Mills, Pendleton, Ore.
Portland Woolen Mills, Portland, Ore.
Sanford Mills, Sanford, Me.
Smith-Worthington Co., Hartford, Conn.
S. Stroock & Co., New York.

Lard.
American Glue Co., Boston, Mass.
Cudahy Packing Co., Chicago, Ill.
Jacob Dold Packing Co., Buffalo, N. Y.
N. K. Fairbank Co., Chicago, Ill.
Frye & Co., Seattle, Wash.
John Hoffman's Sons Co., Cincinnati, Ohio.
Kingan & Co., Ltd., Indianapolis, Ind.
John C. Roth Packing Co., Cincinnati, O.
J. & F. Schroth Packing Co., Cincinnati, O.
T. M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.
Wilson & Co., Chicago, Ill.

Lard Compound.
N. K. Fairbank Co., Chicago, Ill.
Southern Cotton Oil Co., New York.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.

Lariats, Rope.
Covert Mfg. Co., Troy, N. Y.

Lasts and Last Blocks.
Crawford, McGregor & Canby Co., Dayton, Ohio.
Rebhun Last Co., Cincinnati, Ohio.
Rochester Last Works, Rochester, N. Y.

Latches, Door.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Eagle Lock Co., Terryville, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New York.
Yale & Towne Mfg. Co., New York.

Lath.
Chas. T. Abeles & Co., Little Rock, Ark.
Alger, Smith & Co., Duluth, Minn.
Bodcaw Lumber Co., Stamps, Ark.
Crookston Lumber Co., Minneapolis, Minn.
Cypress Lumber Co., Boston, Mass.
R. H. Downman, New Orleans, La.
Graves, Manbert, George & Co., Buffalo, N. Y.
Great Southern Lumber Co., Bogalusa, La.
C. B. Howard Co., Emporium, Pa.
Charles C. Kellogg & Sons Co., Utica, N. Y.
Hugh McLean Lumber Co., Buffalo, N. Y.
Nichols-Chisolm Lumber Co., Minneapolis, Minn.
Pacific States Lumber Co., Tacoma, Wash.
Potlatch Lumber Co., Potlatch Idaho.
Saginaw & Manistee Lumber Co., Williams, Ariz.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.

Lath—Cont.

Salmen Brick and Lumber Co., Ltd., New Orleans, La.
Scott-Graff Lumber Co., Duluth, Minn.
Shevlin-Hixon Co., Minneapolis, Minn.
Trout Creek Lumber Co., Trout, La.

Lathes, Dental Laboratory.

Ritter Dental Mfg. Co., Rochester, N. Y.

Lathes, Gun Stock.

Kimball Bros. & Sprague, Brockton, Mass.

Lathes, Metal Working.

American Tool and Machine Co., Boston, Mass.
American Tool Works Co., Cincinnati, O.
Axelson Machine Co., Los Angeles, Cal.
W. F. & John Barnes Co., Rockford, Ill.
Boye & Emmers Machine Tool Co., Cincinnati, Ohio.
Bradford Machine Tool Co., Cincinnati, O.
Champion Blower and Forge Co., Lancaster, Pa.
Champion Tool Works Co., Cincinnati, O.
Cincinnati Iron and Steel Co., Cincinnati, Ohio.
Cincinnati Pulley Machinery Co., Cincinnati, Ohio.
H. W. Cotton, Inc., New York.
Dalton Machine Co., Inc., New York.
Defiance Machine Works, Defiance, Ohio.
Duff Mfg. Co., Pittsburgh, Pa.
Garvin Machine Co., New York.
Gisholt Machine Co., Madison, Wis.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Hendey Machine Co., Torrington, Conn.
International Machine Tool Co., Indianapolis, Ind.
R. K. Le Blond Machine Tool Co., Cincinnati, Ohio.
Lewis Foundry and Machine Co., Pittsburgh, Pa.
Lodge & Shipley Machine Tool Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
Mesta Machine Co., Pittsburgh, Pa.
New Britain Machine Co., New Britain, Conn.
Niles-Bement-Pond Co., New York.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rahn-Larmon Co., Cincinnati, Ohio.
Reed-Prentice Co., Worcester, Mass.
Root & Van Dervoort Engineering Co., East Moline, Ill.
William Sellers & Co., Inc., Philadelphia, Pa.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
Taylor & Fenn Co., Hartford, Conn.
H. P. Townsend Mfg. Co., Hartford, Conn.
Turner Machine Co., Danbury, Conn.
United Engineering and Foundry Co., Pittsburgh, Pa.
Warner & Swasey Co., Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Co., Watebury, Conn.
Wickes Bros., Saginaw, Mich.
Willard Machine and Tool Co., Covington, Ky.
S. A. Woods Machine Co., Boston, Mass.

Lathes, Wood Turning.

American Wood Working Machinery Co., Rochester, N. Y.
Cincinnati Shaper Co., Cincinnati, Ohio.

Lathes, Wood Turning—Cont.

Defiance Machine Works, Defiance, Ohio.
J. A. Fay & Egan Co., Cincinnati, Ohio.
Kimball Bros. & Sprague, Brockton, Mass.
Millers Falls Co., Millers Falls, Mass.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
H. B. Smith Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.

Lathing, Metallic.

Berger Mfg. Co., Canton, Ohio.
Edwards Mfg. Co., Cincinnati, Ohio.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Meurer Bros. Co., Brooklyn, N. Y.
Michigan Wire Cloth Co., Detroit, Mich.

Launches, Gasoline and Naphtha.

Gas Engine and Power Co., & Charles L. Seabury & Co., Consolidated, New York,

Launches, Steam.

George Lawley & Son. Corp., Neponset, Mass.
New York Ship Building Corp., Camden, N. J.

Laundry Supplies.

A. Colburn Co., Philadelphia, Pa.
J. B. Ford Co., Wyandotte, Mich.
Jones Bros. Tea Co., Brooklyn, N. Y.

Lavatories and Fixtures.

John Douglas Co., Cincinnati, Ohio.
Iron City Sanitary Mfg. Co., Pittsburgh, Pa.
Kohler Co., Kohler, Wis.
Thomas Maddock's Sons Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
N. O. Nelson Mfg. Co., St. Louis, Mo.
Charles Parker Co., Meriden, Conn.
Speakman Supply and Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
L. Wolff Mfg. Co., Chicago, Ill.

Lavatories, Railways.

Adams & Westlake Co., Chicago, Ill.

Lavatories, Ship.

Thomas Laughlin Co., Portland, Me.

Lawn Mowers.

(See Mowers, Lawn.)

Lawns, Cotton.

(See Cotton Lawns.)

Lead, Arsenate of

Merck & Co., New York.
Patton Paint Co., Milwaukee, Wis.

Lead, Red.

Eagle-Picher Lead Co., New York.
W. P. Fuller & Co., San Francisco, Cal.

Lead, Sheet and Pig.

Eagle-Picher Lead Co., New York.

Lead, White.

Charles H. Brown Paint Co., Brooklyn, N. Y.
Eagle-Picher Lead Co., New York.
Samuel H. French & Co., Philadelphia, Pa.
W. P. Fuller & Co., San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Sherwin-Williams Co., Cleveland, Ohio.

Leather, Automobile.

Ashtabula Hide and Leather Co., Ashtabula, Ohio.
Bickford & Francis Belting Co., Buffalo, N. Y.
Blanchard Bro. & Lane, Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
Cleveland Tanning Co., Cleveland, Ohio.
General Leather Co., Newark, N. J.
Graton & Knight Mfg. Co., Worcester, Mass.
P. Reilly & Son, Newark, N. J.
M. Straus & Sons, Newark, N. J.

Leather for Belting.

England, Walton & Co., Inc., Philadelphia, Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Kistler, Lesh & Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

Leather, Bookbinders'.

Griess-Pfleger Tanning Co., Cincinnati, O.
A. C. Lawrence Leather Co., Boston, Mass.
R. Neumann & Co., New York.
Schoellkopf & Co., Buffalo, N. Y.

Leather, Calf.

Barnet Leather Co., New York.
Boullee-Fraser Leather Co., Inc., New York.
John R. Evans & Co., Philadelphia, Pa.
A. F. Gallun & Sons, Milwaukee, Wis.
Griess-Pfleger Tanning Co., Cincinnati, O.
Hunt-Rankin Leather Co., Boston, Mass.
A. C. Lawrence Leather Co., Boston, Mass.
G. Levor & Co., New York.
R. Neumann & Co., New York.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Fred Rueping Leather Co. Fond du Lac, Wis.
Albert Trostel & Sons Co., Milwaukee, Wis.

Leather, Colt.

Pfister & Vogel Leather Co., Milwaukee, Wis.
Seton Leather Co., Newark, N. J.

Leather, Furniture.

Ashtabula Hide and Leather Co., Ashtabula, Ohio.
Blanchard Bro. & Lane, Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
Cleveland Tanning Co., Cleveland, Ohio.
General Leather Co., Newark, N. J.
P. Rielly & Son, Newark, N. J.
M. Straus & Sons, Newark, N. J.
Wilder Tanning Co., Waukegan, Ill.

Leather, Glazed Kid and Morocco.

Boullee-Fraser Leather Co., Inc., New York.
Burk Bros., Inc., Philadelphia, Pa.
Castle Kid Co., Inc., Camden, N. J.
Dungan, Hood & Co., Inc., Philadelphia, Pa.
John R. Evans & Co., Philadelphia, Pa.
Richard Evans & Sons, Johnstown, N. Y.
Robert T. Foerderer, Inc., Philadelphia, Pa.
Keystone Leather Co., Philadelphia, Pa.

Leather, Glazed Kid and Morocco—Cont.

C. J. Matthews & Co., Philadelphia, Pa.
Peerless Kid Co., Camden, N. J.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Quaker City Morocco Co., Philadelphia, Pa.

Leather Goods, Advertising and Fancy.

(See Novelties, Leather.)

Leather Goods, Mechanical.

Alexander Bros., Philadelphia, Pa.
Bickford & Francis Belting Co., Buffalo, N. Y.
Graton & Knight Mfg. Co., Worcester, Mass.
W. S. Nott Co., Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Charles A. Schieren Co., New York.

Leather, Grain Buff and Split.

Barrett & Co., Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
England, Walton & Co., Inc., Philadelphia, Pa.
A. F. Gallun & Sons, Milwaukee, Wis.
Charles H. Kemper, Westport, Conn.
A. C. Lawrence Leather Co., Boston, Mass.
G. Levor & Co., New York.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Seton Leather Co., Newark, N. J.
M. Straus & Sons, Newark, N. J.
Albert Trostel & Sons Co., Milwaukee, Wis.
Wilder Tanning Co., Waukegan, Ill.

Leather, Harness and Carriage.

Ashtabula Hide and Leather Co. Ashtabula, Ohio.
Blanchard Bro. & Lane, Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
F. W. & F. Carlisle, Saginaw, Mich.
Cleveland Tanning Co., Cleveland, Ohio.
General Leather Co., Newark, N. J.
Graton & Knight Mfg. Co., Worcester, Mass.
J. G. Hoffmann & Sons Co., Wheeling, W. Va.
Geo. Laub's Sons, Buffalo, N. Y.
Pfister & Vogel Leather Co., Milwaukee, Wis.
P. Rielly & Son, Newark, N. J.
M. Straus & Sons, Newark, N. J.
Rudolph Suhre Sons Co., Cincinnati, Ohio.
Albert Trostel & Sons, Milwaukee, Wis.
G. F. Zeller's Sons, Buffalo, N. Y.

Leather, Hydraulic and Valve.

Bickford & Francis Belting Co., Buffalo, N. Y.
G. F. Zeller's Sons, Buffalo, N. Y.

Leather, Imitation.

F. S. Carr Co., Boston, Mass.
L. C. Chase & Co., Boston, Mass.
Cook's Linoleum Co., Trenton, N. J.
Duratex Co., Newark, N. J.
Endurance Tire and Rubber Co., New Brunswick, N. J.
Lawrence & Co., Boston, Mass.
Richards & Co., Inc., New York.
Standard Oil Cloth Co., New York.
Textileather Co., Newark, N. J.

Leather, Kid, Goat, Kangaroo and Sheep.

Barrett & Co., Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
Burk Bros., Philadelphia, Pa.
Castle Kid Co., Camden, N. J.
Dungan, Hood & Co., Inc., Philadelphia, Pa.
John R. Evans & Co., Philadelphia, Pa.
Richard Evans & Sons, Johnstown, N. Y.
Keystone Leather Co., Philadelphia, Pa.
A. C. Lawrence Leather Co., Boston, Mass.
G. Levor & Co., New York.
C. J. Matthews & Co., Philadelphia, Pa.
R. Neumann & Co., New York.
Peerless Kid Co., Camden, N. J.
Quaker City Morocco Co., Philadelphia, Pa.
Schoellkopf & Co., Buffalo, N. Y.
L. B. Southwick Co., Peabody, Mass.
Albert Trostel & Sons Co., Milwaukee, Wis.
Wilder Tanning Co., Waukegan, Ill.

Leather Mittens.

(See Mittens, Leather.)

Leather, Morocco, for Carriages.

Ashtabula Hide & Leather Co., Ashtabula, Ohio.
Boullee-Fraser Leather Co., Inc., New York.
R. Neumann & Co., New York.

Leather, Patent and Enameled.

Blanchard Bro. & Lane, Newark, N. J.
Boullee-Fraser Leather Co., Inc., New York.
John R. Evans & Co., Philadelphia, Pa.
A. C. Lawrence Leather Co., Boston, Mass.
C. J. Matthews Leather Co., Philadelphia, Pa.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Radel Leather Mfg. Co., Newark, N. J.
P. Rielly & Son, Newark, N. J.
Seton Leather Co., Newark, N. J.
M. Straus & Sons, Newark, N. J.

Leather, Polishing.

Bickford & Francis Belting Co., Buffalo, N. Y.

Leather, Sealskin and Fancy.

R. Neumann & Co., New York.

Leather, Sole.

Alexander Bros., Philadelphia, Pa.
Elk Tanning Co., Ridgway, Elk County, Pa.
J. G. Hoffmann & Sons Co., Wheeling, W. Va.
Kistler, Lesh & Co., Boston, Mass.
George Laub's Sons, Buffalo, N. Y.
Mt. Union Tanning and Extract Co., Mt. Union, Pa.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Proctor Ellison Co., Boston, Mass.
Albert Trostel & Sons Co., Milwaukee, Wis.
G. F. Zeller's Sons, Buffalo, N. Y.

Leather, Waste.

Brockton Heel Co., Brockton, Mass.

Ledgers, Loose-Leaf.

Baker-Vawter Co., Benton Harbor, Mich.
Irving-Pitt Mfg. Co., Kansas City, Mo.
William G. Johnston & Co., Pittsburgh, Pa.
McMillan Book Co., Syracuse, N. Y.
William Mann Co., Philadelphia, Pa.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.

Leggins and Puttees.

Graton & Knight Mfg. Co., Worcester, Mass.

Leggins, Woolen, Knit.

Mishawaka Woolen Mfg. Co., Mishawaka, Ind.

Lemon Squeezers.

John Sommer Faucet Co., Newark, N. J.

Lenses, Headlight.

Corning Glass Works, Corning, N. Y.
Jefferson Glass Co., Follansbee, W. Va.

Lenses, Optical.

Wollensak Optical Co., Rochester, N. Y.

Lenses, Photographic.

Eastman Kodak Co., Rochester, N. Y.
Wollensak Optical Co., Rochester, N. Y.

Lenses, Railway Signal.

Corning Glass Works, Corning, N. Y.
Jefferson Glass Co., Follansbee, W. Va.
Libbey Glass Co., Toledo, Ohio.
Macbeth-Evans Glass Co., Pittsburgh, Pa.

Letter Boxes.

Corbin Cabinet Lock Co., New Britain, Conn.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Forest City Foundry and Mfg. Co., Cleveland, Ohio.
W. R. Ostrander & Co., New York.
Samuel C. Tatum Co., Cincinnati, Ohio.

Letters and Figures, Steel.

Hoggson & Pettis Mfg. Co., New Haven, Conn.

Levels.

Buda Co., Chicago, Ill.
Henry Disston & Sons, Inc., Philadelphia, Pa.
W. & L. E. Gurley, Troy, N. Y.
Millers Falls Co., Millers Falls, Mass.
Sargent & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.

Library Equipment.

Art Metal Construction Co., Jamestown, N. Y.
Snead & Co., Iron Works, Inc., Jersey City, N. J.
Union Furniture Co., Rockford, Ill.

Licorice, Plain and Prepared.

National Licorice Co., Brooklyn, N. Y.

Life-Saving Appliances.

Davol Rubber Co., Providence, R. I.

Lifts.

(See Elevators.)

Lighting Systems, Car.
Best Light Co., Canton, Ohio.
Gould Coupler Co., New York.
F. H. Lovell & Co., Arlington, N. J.

Lightning Arresters.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
National Carbon Co., Cleveland, Ohio.

Lights, Marine.
(See Lamps, Marine.)

Lights, Sidewalk.
Berger Mfg. Co., Canton, Ohio.

Lights, Vault.
(See Glass, Floor and Skylight.)

Lime.
Ash Grove Lime and Portland Cement Co., Kansas City, Mo.
Henry Cowell Lime and Cement Co., San Francisco, Cal.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Knickerbocker Lime Co., Philadelphia, Pa.
Louisville Cement Co., Louisville, Ky.
New England Lime Co., Danbury, Conn.
Tidewater Portland Cement Co., Baltimore, Md.
Union Lime Co., Los Angeles, Cal.
Wisconsin Lime and Cement Co., Chicago, Ill.
Woodville Lime and Cement Co., Toledo, Ohio.

Limes, Chemical.
Barclay Chemical Co., Williamsport, Pa.
Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Heinemann Chemical Co., Olean, N. Y.
Knickerbocker Lime Co., Philadelphia, Pa.
Lackawanna Chemical Co., Olean, N. Y.
Merck & Co., New York.
New England Lime Co., Danbury, Conn.
Woodville Lime and Cement Co., Toledo, Ohio.

Limestone.
Sloss-Sheffield Steel and Iron Co., Birmingham, Ala.
Solvay Process Co., Syracuse, N. Y.

Linens, Art and Table.
Campbell, Metzger & Jacobson, New York.
Renfrew Mfg. Co., Adams, Mass.

Lining, Carpet.
Hoboken Paper Mills Co., Hoboken, N. J.
John Lang Paper Co., Philadelphia, Pa.
Munroe Felt and Paper Co., Boston, Mass.
Schmidt & Ault Paper Co., York, Pa.
Thompson & Norris Co., Brooklyn, N. Y.

Linings, Clay, Fireproof.
Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Evens & Howard Fire Brick Co., St. Louis, Mo.
National Fire Proofing Co., Pittsburgh, Pa.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Robinson Clay Products Co., Akron, Ohio.
M. D. Valentine & Bro. Co., Woodbridge, N. J.

Linings, Cotton.
Adams Mfg. Co., New York.
A. G. Hyde & Sons, New York.
Lesher, Whitman & Co., New York.
Lorraine Mfg. Co., Pawtucket, R. I.
Millville Mfg. Co., Philadelphia, Pa.

Linings, Cotton and Wool Mixed.
Farr Alpaca Co, Holyoke, Mass.
D. Goff & Sons, Pawtucket, R. I.
Holyoke Plush Co., Boston, Mass
Lesher, Whitman & Co., New York.

Linings, Mercerized.
Adams Mfg. Co., New York.
A. G. Hyde & Sons, New York.
Lesher, Whitman & Co., New York.
Lorraine Mfg. Co., Pawtucket, R. I.

Linings, Silk.
Astoria Silk Works, Long Island City, N. Y.
Belding Bros. & Co., New York.
Bloomsburg Silk Mills, Bloomsburg, Pa.
Brainerd & Armstrong Co., New London, Conn.
Brilliant Silk Mfg. Co., New York.
Cardinal & Becker, Paterson, N. J.
Cedar Cliff Silk Co., Paterson, N. J.
D. G. Dery, Allentown, Pa.
Empire Silk Co., New York.
Goetz Silk Mfg. Co., Holyoke, Mass.
Haskell Silk Co., Westbrook, Me.
Lesher, Whitman & Co., New York.
W. Little & Co., Paterson, N. J.
Merrill Silk Co., Hornell, N. Y.
J. A. Migel, New York.
Pelgram & Meyer, New York.
Phoenix Silk Mfg. Co., New York.
Reiling & Schoen, Inc., New York.
Louis Roessel & Co., New York.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.
Schwarzenbach-Huber Co., New York.
R. & H. Simon Co., Union Hill, N. J.
William Skinner & Sons, Holyoke, Mass.
John N. Stearns & Co., New York.
Williams Silk Mfg. Co., West New York, N. J.

Links and Pins, Coupling.
American Iron and Steel Mfg. Co., Lebanon, Pa.

Linoleum.
Barrett Co., New York.
George W. Blabon Co., Philadelphia, Pa.
Cook's Linoleum Co., Trenton, N. J.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Joseph Wild & Co., New York.

Linseed Cake.
(See Oil Cake, Linseed.)

Linters, Cotton Seed.
Carver Cotton Gin Co., East Bridgewater, Mass.
Continental Gin Co., Birmingham, Ala.

Liquors.
Bernheim Distilling Co., Louisville, Ky.
Standard Distilling and Distributing Co., New York.
R. E. Wathen & Co., Louisville, Ky.
Woolner Distilling Co., Peoria, Ill.

Listers.

(See Plows, Hand, Sulky, Disc, etc.)

Litharge.

Eagle-Picher Lead Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Lithographers on Metal.

American Metal Cap Co., Brooklyn, N. Y.
H. D. Beach Co., Coshocton, Ohio.
Columbia Can Co., St. Louis, Mo.
Heekin Can Co, Cincinnati, Ohio.
Passaic Metal Ware Co., Passaic, N. J.

Lithographs.

(See Printers, Lithographic.)

Lithopone.

Grasselli Chemical Co., New York.
Heller & Merz Co., Newark, N. J.
Krebs Pigment and Chemical Co., Newport, Del.
New Jersey Zinc Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Loaders, Hay.

(See Hay Loaders.)

Loaders, Wagon.

Link-Belt Co., Chicago, Ill.

Lock Gates.

Independent Bridge Co., Pittsburgh, Pa.

Lockers, Metal.

Art Metal Construction Co., Jamestown, N. Y.
Bernstein Mfg. Co., Philadelphia, Pa.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Edwards Mfg. Co., Cincinnati, Ohio.
Richard W. Jefferis Co., Camden, N. J.
Narragansett Machine Co., Providence, R. I.
Taylor & Dean, Pittsburgh, Pa.
Van Dorn Iron Works Co, Cleveland, Ohio.

Locks, Cabinet and Trunk.

Corbin Cabinet Lock Co., New Britain, Conn.
Excelsior Hardware Co., Stamford, Conn.

Locks, Car Window.

Adams & Westlake Co., Chicago, Ill.
P. & F. Corbin, New Britain, Conn.
Dayton Mfg. Co., Dayton, Ohio.
James L. Howard & Co., Hartford, Conn.
National Lock Washer Co., Newark, N. J.

Locks, Exit.

Russell & Erwin Mfg. Co., New Britain, Conn.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.

Locks, Keyless.

Corbin Cabinet Lock Co., New Britain, Conn.
Sargent & Co., New York.

Locks, Mortise, Rim, Pad, Etc.

Brass Goods Mfg. Co., Brooklyn, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
P. & F. Corbin, New Britain, Conn.

Locks, Mortise, Rim, Pad, Etc.—Cont.

Eagle Lock Co., Terryville, Conn.
Edwards Mfg. Co., Cincinnati, Ohio.
Excelsior Hardware Co., Stamford, Conn.
James L. Howard & Co., Hartford, Conn.
R. Neumann Hardware Co., Newark, N. J.
Penn Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New York.
Shapleigh Hardware Co., St. Louis, Mo.
Yale & Towne Mfg. Co., New York.

Locks, Nut.

Iron City Tool Works, Ltd., Pittsburgh, Pa.
National Lock Washer Co., Newark, N. J.
Verona Tool Works, Pittsburgh, Pa.

Locks, Switch.

Adams & Westlake, Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Dayton Mfg. Co., Dayton, Ohio.
Eagle Lock Co., Terryville, Conn.

Locks, Time, Combination, Etc.

Herring-Hall-Marvin Safe Co., New York.
Yale & Towne Mfg. Co., New York.

Locomotive Parts.

Commonwealth Steel Co., St. Louis, Mo.
Damascus Bronze Co., Pittsburgh, Pa.
Detroit Lubricator Co., Detroit, Mich.
Pollak Steel Co., Cincinnati, Ohio.
William Powell Co., Cincinnati, Ohio.
Rasner & Dinger Co., Pittsburgh, Pa.
Transue & Williams Co., Alliance, Ohio.

Locomotives, Compressed Air.

H. K. Porter Co., Pittsburgh, Pa.
Vulcan Iron Works, Wilke-Barre, Pa.

Locomotives, Electric.

J. G. Brill Co., Philadelphia, Pa.
Goodman Mfg. Co., Chicago, Ill.
Jeffrey Mfg. Co., Columbus, Ohio.
George D. Whitcomb Co., Rochelle, Ill.

Locomotives, Fireless.

H. K. Porter Co, Pittburgh, Pa.

Locomotives, Gasoline.

George D. Whitcomb Co., Rochelle, Ill.

Locomotives, Mine and Plantation.

Jeffrey Mfg. Co., Columbus, Ohio.
Lidgerwood Mfg. Co., New York.
Lima Locomotive Works, Inc., Lima, Ohio.
H. K. Porter Co., Pittsburgh, Pa.

Locomotives Steam.

Lima Locomotive Works, Inc., Lima, Ohio.
H. K. Porter Co., Pittsburgh, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.

Loggers.

Merrill & Ring Lumber Co., Seattle, Wash.

Loom Cards, Jacquard.

C. F. Crehore & Son, Boston, Mass.

Logwood.

(See Dyewood Extracts.)

Loom Pickers, Rawhide.

Holbrook Raw Hide Co., Providence, R. I.

Loom Straps.

(See Straps, Loom.)

Looms.

Crompton & Knowles Loom Works, Worcester, Mass.
Benjamin Eastwood Co., Paterson, N. J.
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, Inc., Philadelphia, Pa.
Stafford Co., Readville, Mass.

Looms, Jacquard.

Schaum & Uhlinger, Inc., Philadelphia, Pa.

Loose-Leaf Devices.

Baker-Vawter Co., Benton Harbor, Mich.
Courier-Journal Job Printing Co., Louisville, Ky.
Forman-Bassett Co., Cleveland, Ohio.
J. C. Hall Co., Providence, R. I.
Irving-Pitt Mfg. Co., Kansas City, Mo.
McMillan Book Co., Syracuse, N. Y.
William Mann Co., Philadelphia, Pa.
Samuel C. Tatum Co., Cincinnati, Ohio.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.

Lubricants.

Acheson Graphite Co., Niagara Falls, N. Y.
Marden, Orth & Hastings Co., Inc., New York.
Union Oil Co. of California, Los Angeles, Cal.
United States Graphite Co., Saginaw, Mich.

Lubricators.

American Injector Co., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Nathan Mfg. Co., New York.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
Steel Products Co., Cleveland, Ohio.
William Vogel & Bros., Inc., Brooklyn, N. Y.
D. T. Williams Valve Co., Cincinnati, O.
Winkley Co., Detroit, Mich.

Lumber.

(See also specific headings following.)

Babcock Lumber Co., Pittsburgh, Pa.
L. N. Dantzler Lumber Co., Moss Point, Miss.
Kraetzer-Cured Lumber Co., Cincinnati, O.
Mitchell Bros. Co., Cadillac, Mich.
Albro J. Newton Co., Brooklyn, N. Y.
A. C. Tuxbury Lumber Co., New York.
Washburn, Williams & Co., Scranton, Pa.

Lumber, Ash.

Crane & McMahon, Inc., New York.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Edward Hines Lumber Co., Chicago, Ill.
E. W. McClave & Son, Inc., Harrison, N. J.
Oconto Co., Chicago, Ill.
Scott-Graff Lumber Co., Minneapolis, Minn.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Birch.

Cobbs & Mitchell, Inc., Cadillac, Mich.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.

Lumber, Birch—Cont.

Edward Hines Lumber Co. Chicago, Ill.
Oconto Co., Chicago, Ill.
Scott-Graff Lumber Co., Minneapolis, Minn.
Shepard & Morse Lumber Co., Boston, Mass.

Lumber, Black Walnut.

George W. Hartzell, Piqua, Ohio.
Taylor & Crate, Buffalo, N. Y.
C. L. Willey, Chicago, Ill.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Cedar.

Astoria Veneer Mills and Dock Co., Long Island City, N. Y.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Northwest Lumber Co., Seattle, Wash.
Pacific States Lumber Co., Tacoma, Wash.
Polson Logging Co., Hoquiam, Wash.
Potlatch Lumber Co., Potlatch, Idaho.
Puget Sound Mills and Timber Co., Seattle, Wash.
Red River Lumber Co., Minneapolis, Minn.
Richmond Cedar Works, Richmond, Va.
Rittenhouse & Embree Co., Chicago, Ill.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Scott-Graff Lumber Co., Minneapolis, Minn.
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
Taylor & Crate, Buffalo, N. Y.
S. B. Vrooman Co., Ltd., Philadelphia, Pa.

Lumber, Cigar Box.

Mueller & Son Co., Milwaukee, Wis.

Lumber, Creosoted.

Alfred W. Booth & Bro., Bayonne, N. J.
Great Southern Lumber Co., Bogalusa, La.
International Creosoting and Construction Co., Galveston, Tex.
John C. Orr Co., Brooklyn, N. Y.
Pacific Creosoting Co., Seattle, Wash.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.

Lumber, Cypress.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Alfred W. Booth & Bro., Bayonne, N. J.
Cypress Lumber Co., Boston, Mass.
R. H. Downman, New Orleans, La.
Gulf Lumber Co., East St. Louis, Ill.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
John C. Orr Co., Brooklyn, N. Y.
Rittenhouse & Embree Co., Chicago, Ill.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Taylor & Crate, Buffalo, N. Y.
S. B. Vrooman Co., Ltd., Philadelphia, Pa.

Lumber Dryers.

(See Dryers, Brick and Lumber.)

Lumber, Elm.

Oconto Co., Chicago, Ill.
Scott-Graff Lumber Co., Minneapolis, Minn.

Lumber, Fir and Spruce.

American Box and Lumber Co., Nashua, N. H.
Alfred W. Booth & Bro., Bayonne, N. J.
Bridal Veil Lumber Co., Portland, Ore.
Crookston Lumber Co., Minneapolis, Minn.

Lumber, Fir and Spruce—Cont.

Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Hammond Lumber Co., San Francisco, Cal.
Edward Hines Lumber Co., Chicago, Ill.
Charles C. Kellogg & Sons Co., Utica, N. Y.
Northwest Lumber Co., Seattle, Wash.
John C. Orr Co., Brooklyn, N. Y.
Pacific States Lumber Co., Tacoma, Wash.
Polson Logging Co., Hoquiam, Wash.
Portland Lumber Co., Portland, Ore.
Potlatch Lumber Co., Potlatch, Idaho.
Puget Sound Mills and Timber Co., Seattle, Wash.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Scott-Graff Lumber Co., Duluth, Minn.
Shepard & Morse Lumber Co., Boston, Mass.
E. K. Wood Lumber Co., San Francisco, Cal.
Woodstock Lumber Co., Boston, Mass.

Lumber, Gum.

(See Lumber, Satin Walnut.)

Lumber, Hardwood.

American Box and Lumber Co., Nashua, N. H.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Chicago, Mill and Lumber Co., Chicago, Ill.
Cobbs & Mitchell, Inc., Cadillac, Mich .
Crane & MacMahon, Inc., New York.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Grand Rapids Veneer Works, Grand Rapids, Mich.
George W. Hartzell, Piqua, Ohio.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Edward Hines Lumber Co., Chicago, Ill.
C. B. Howard Co., Emporium, Pa.
Indiana Box Co., Elwood, Ind.
Long Bell Lumber Co., Kansas City, Mo.
Hugh McLean Lumber Co., Buffalo, N. Y.
Mowbray & Robinson Co., Cincinnati, Ohio.
Oconto Co., Chicago, Ill.
John C. Orr Co., Brooklyn, N. Y.
Rittenhouse & Embree Co., Chicago, Ill.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.
Scott-Graff Lumber Co., Duluth, Minn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Taylor & Crate, Buffalo, N. Y.
S. B. Vrooman Co., Ltd., Philadelphia, Pa.
Wheeler & Dusenbury, Endeavor, Pa.
C. L. Willey, Chicago, Ill.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Hemlock.

Alfred W. Booth & Bro., Bayonne, N. J.
Cobbs & Mitchell, Inc., Cadillac, Mich.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
C. L. Colman Lumber Co., La Crosse, Wis.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Graves, Manbert, George & Co., Buffalo, N. Y.
Edward Hines Lumber Co., Chicago, Ill.
C. B. Howard Co., Emporium, Pa.
Charles C. Kellogg & Sons Co., Utica, N. Y.

Lumber, Hemlock—Cont.

Northwest Lumber Co., Seattle, Wash.
Oconto Co., Chicago, Ill.
Pacific States Lumber Co., Tacoma, Wash.
Potlatch Lumber Co., Potlatch, Idaho.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
J. S. Stearns Lumber Co., Odanah, Wis.
Wheeler & Dusenbury, Endeavor, Pa.

Lumber, Hickory.

Alfred W. Booth & Bro., Bayonne, N. J.
Crane & MacMahon, Inc., New York.
Taylor & Crate, Buffalo, N. Y.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Mahogany.

Astoria Veneer Mills and Dock Co., Long Island City, N. Y.
Freiberg Lumber Co., Cincinnati, Ohio.
Hugh McLean Lumber Co., Buffalo, N. Y.
Palmer & Parker Co., Boston, Mass.
Taylor & Crate, Buffalo, N. Y.
S. B. Vrooman Co., Ltd., Philadelphia, Pa.
C. L. Willey, Chicago, Ill.

Lumber, Maple.

Alfred W. Booth & Bro., Bayonne, N. J.
Cobbs & Mitchell, Inc., Cadiliac, Mich.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Edward Hines Lumber Co., Chicago, Ill.
Hugh McLean Lumber Co., Buffalo, N. Y.
Oconto Co., Chicago, Ill.
Shepard & Morse Lumber Co., Boston, Mass.
Taylor & Crate, Buffalo, N. Y.

Lumber, North Carolina Pine.

Alfred W. Booth & Bro., Bayonne, N. J.
Otto Duker & Co., Baltimore, Md.
John C. Orr Co., Brooklyn, N. Y.

Lumber, Oak.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Alfred W. Booth & Bro., Bayonne, N. J.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
Crane & MacMahon, Inc., New York.
M. B. Farrin Lumber Co., Cincinnati, O.
Gulf Lumber Co., East St. Louis, Ill.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Edward Hines Lumber Co., Chicago, Ill.
Long-Bell Lumber Co., Kansas City, Mo.
Hugh McLean Lumber Co., Buffalo, N. Y.
Oconto Co., Chicago, Ill.
John C. Orr Co., Brooklyn, N. Y.
Paepcke Leicht Lumber Co., Chicago, Ill.
Scott-Graff Lumber Co., Duluth, Minn.
Taylor & Crate, Buffalo, N. Y.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Pitch Pine.

(See Lumber, Yellow Pine.)

Lumber, Poplar, Basswood and Cottonwood.

Alfred W. Booth & Bro., Bayonne, N. J.
Cypress Lumber Co., Boston, Mass.
M. B. Farrin Lumber Co., Cincinnati, O.
Finch Pruyn & Co., Inc., Glens Falls, N. Y.
Edward Hines Lumber Co., Chicago, Ill.
E. W. McClave & Son, Inc., Harrison, N. J.

Lumber, Poplar, Basswood and Cottonwood—Cont.

Oconto Co., Chicago, Ill.
Rittenhouse & Embree Co., Chicago, Ill.
Taylor & Crate, Buffalo, N. Y.
Wood-Mosaic Co., New Albany, Ind.

Lumber, Red Pine.

Edward Hines Lumber Co., Chicago, Ill.
Paepcke Leicht Lumber Co., Chicago, Ill.
Shepard & Morse Lumber Co., Boston, Mass.

Lumber, Redwood.

Caspar Lumber Co., San Francisco, Cal.
Hammond Lumber Co., San Francisco, Cal.
Union Lumber Co., San Francisco, Cal.

Lumber, Satin Walnut.

Cypress Lumber Co., Boston, Mass.
John C. Orr Co., Brooklyn, N. Y.
Paepcke Leicht Lumber Co., Chicago, Ill.
Taylor & Crate, Buffalo, N. Y.

Lumber, Satinwood.

C. L. Willey, Chicago, Ill.

Lumber, Teak.

S. B. Vrooman Co., Ltd., Philadelphia, Pa.

Lumber, Thin Cut.

Alfred W. Booth & Bro., Bayonne, N. J.
Hugh McLean Lumber Co., Buffalo, N. Y.
Tacoma Mill Co., San Francisco, Cal.

Lumber Trimmers.

Alfred W. Booth & Bro., Bayonne, N. J.
Lane Mfg. Co., Montpelier, Vt.
Manning, Maxwell & Moore, New York.

Lumber, White Pine.

Alger, Smith & Co., Duluth, Minn.
American Box and Lumber Co., Nashua, N. H.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Alfred W. Booth & Bro., Bayonne, N. J.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
C. L. Colman Lumber Co., La Crosse, Wis.
Crookston Lumber Co., Minneapolis. Minn.
Eclipse Box and Lumber Co., Brooklyn, N. Y.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Graves, Manbert, George & Co., Buffalo, N. Y.
Edward Hines Lumber Co., Chicago, Ill.
Charles C. Kellogg & Sons Co., Utica, N. Y.
McGoldrick Lumber Co., Spokane, Wash.
Nichols-Chisolm Lumber Co., Minneapolis, Minn.
Northland Pine Co., Minneapolis, Minn.
Oconto Co., Chicago, Ill.
John C. Orr Co., Brooklyn, N. Y.
Potlatch Lumber Co., Potlatch, Idaho.
Red River Lumber Co., Minneapolis, Minn.
Rittenhouse & Embree Co., Chicago, Ill.
Scott-Graff Lumber Co., Duluth, Minn.
Shepard & Morse Lumber Co., Boston, Mass.
Shevlin-Hixon Co., Minneapolis, Minn.
J. S. Stearns Lumber Co., Odanah, Wis.
Wheeler & Dusenbury, Endeavor, Pa.

Lumber, Yellow Pine.

Charles T. Abeles & Co., Little Rock, Ark.
American Box and Lumber Co., Nashua, N. H.
American Lumber Co., Merryville, La.
E. Bailey & Sons, Inc., Patchogue N. Y.
Bodcaw Lumber Co., Stamps, Ark.
Alfred W. Booth & Bro., Bayonne, N. J.
William Buchanan, Texarkana, Ark.
J. M. Card Lumber Co., East End, Chattanooga, Tenn.
Central Coal and Coke Co., Kansas City, Mo.
Cypress Lumber Co., Boston, Mass.
Otto Duker & Co. Baltimore, Md.
Eclipse Box and Lumber Co., Brooklyn, N. Y.
Frost-Johnson Lumber Co., St. Louis, Mo.
Good Pine Lumber Co., Good Pine, La.
Great Southern Lumber Co., Bogalusa, La.
Gulf Lumber Co., East St. Louis, Ill.
Edward Hines Lumber Co., Chicago, Ill.
Lock, Moore & Co., Ltd., Westlake, La.
Long-Bell Lumber Co., Kansas City, Mo.
E. W. McClave & Son Co., Harrison, N. J.
Missouri Lumber and Land Exchange Co., Kansas City, Mo.
Oconto Co., Chicago, Ill.
John C. Orr Co., Brooklyn, N. Y.
W. R. Pickering Lumber Co., Kansas City, Mo.
Potlatch Lumber Co., Potlatch, Idaho.
Saginaw & Manistee Lumber Co., Williams, Ariz.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Tremont Lumber Co., Winfield, La.
Trinity County Lumber Co., Groveton, Tex.
Trout Creek Lumber Co., Trout, La.

Lye.

B. T. Babbitt, Inc., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Macaroni.

Freihofer Baking Co., Philadelphia, Pa.
A. Goodman & Sons, Inc., New York.
Hotaling-Warner Co., Syracuse, N. Y.
Larkin Co., Buffalo, N. Y.

Machetes.

(See Knives, Cane.)

Machinery, Abattoir.

(See Machinery, Slaughter and Packing House.)

Machines, Adding.

American Can Co., New York.
Burroughs Adding Machine Co., Detroit, Mich.
Dalton Adding Machine Co., Cincinnati, O.
Underwood Typewriter Co., New York.

Machines, Addressing.

Addressograph Co., Chicago, Ill.

Machinery, Agricultural.

(See Agricultural Implements.)

Machinery, Agricultural Implement Makers'.

J. A. Fay & Egan Co., Cincinnati, Ohio.

Machinery, Saw Mill—Cont.

Mitts & Merrill, Saginaw, Mich.
Portland Iron Works, Portland, Ore.
John Royle & Sons, Paterson, N. J.
Silver Mfg. Co., Salem, Ohio.
H. B. Smith Machine Co., Smithville, N. J.
Sumner Iron Works, Everett, Wash.
Union Iron Works, Spokane, Wash.
Wickes Bros., Saginaw, Mich.
S. A. Woods Machine Co., Boston, Mass.

Machinery, Screening.

C. O. Bartlett & Snow Co., Cleveland, O.
Kent Mill Co., Brooklyn, N. Y.
W. S. Tyler Co., Cleveland, Ohio.

Machines, Screw.

Boye & Emmes Machine Tool Co., Cincinnati, Ohio.
Champion Tool Works Co., Cincinnati, O.
Cincinnati Iron and Steel Co., Cincinnati, Ohio.
Garvin Machine Co., New York.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Jarecki Mfg. Co., Erie, Pa.
National-Acme Mfg. Co., Cleveland, Ohio.
New Britain Machine Co., New Britain, Conn.
Charles Nobs & Son, Newark, N. J.
Stenotype Co., Indianapolis, Ind.
H. P. Townsend Mfg. Co., Hartford, Conn.
Warner & Swasey Co., Cleveland, Ohio.

Machines, Scroll Sawing.

J. A. Fay & Egan Co., Cincinnati, Ohio.
Trump Bros. Machine Co., Wilmington, Del.

Machines, Sealing.

Adriance Machine Works, Inc., Brooklyn, N. Y.
Automatic Weighing Machine Co., Newark, N. J.

Machines, Sewing.

Davis Sewing Machine Co., Dayton, Ohio.
New Home Sewing Machine Co., Orange, Mass.
Frederick Osann Co., New York.
Standard Sewing Machine Co., Cleveland, Ohio.
Trump Bros. Machine Co., Wilmington, Del.
White Sewing Machine Co., Cleveland, O.

Machines, Shaft Straightening and Turning.

Lewis Foundry and Machine Co., Pittsburgh, Pa.

Machines, Shearing and Clipping.

Chicago Flexible Shaft Co., Chicago, Ill.
W. W. & C. F. Tucker, Hartford, Conn.

Machinery, Sheet Metal Working.

Adriance Machine Works, Brooklyn, N. Y.
Max Ams Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
R. J. Dowd Knife Works, Beloit, Wis.
Ferracute Machine Co., Bridgeton, N. J.
Chas. Leffler & Co., Brooklyn, N. Y.
Niagara Machine and Tool Works, Buffalo, N. Y.

Machinery, Shingle.

Lane Mfg. Co., Montpelier, Vt.
Sumner Iron Works, Everett, Wash.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Ship Builders'.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
J. A. Fay & Egan Co., Cincinnati, Ohio.

Machinery, Ship Loading and Unloading.

(See also Cranes; also Capstans.)

Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., Cambridge, Mass.

Machinery, Shoe Stitching.

Standard Sewing Machine Co., Cleveland, Ohio.

Machinery, Shop Woodworking.

(See Machinery, Woodworking.)

Machinery, Shredding.

(See also Shredders, Corn.)

Curtis & Marble Machine Co., Worcester, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.

Machinery, Slaughter and Packing House.

Brecht Co., St. Louis, Mo.
Link-Belt Co., Chicago, Ill.
N. R. Streeter & Co., Rochester, N. Y.

Machines, Slitting.

Max Ams Machine Co., Bridgeport, Conn.
John Jacques & Son, Worcester, Mass.
M. D. Knowlton Co., Rochester, N. Y.
Meisel Press Mfg. Co., Boston, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machines, Slotting.

(See Slotters.)

Machinery, Smelting.

(See Machinery, Concentrating and Smelting.)

Machinery, Soap Making.

Houchin-Aiken Co., Brooklyn, N. Y.
Sowers Mfg. Co., Buffalo, N. Y.

Machinery, Soda Water.

(See Carbonating Apparatus.)

Machinery, Spinning.

Easton & Burnham Machine Co., Pawtucket, R. I.
Fales & Jenks Machine Co., Pawtucket, R. I.
H. & B. American Machine Co., Ltd., Pawtucket, R. I.

Machines, Spraying.

Fairbanks, Morse & Co., Chicago, Ill.

Machinery, Spring Bed.

Houchin-Aiken Co., Brooklyn, N. Y.
Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Spring Coiling and Finishing.

Baird Machine Co., Bridgeport, Conn.
Garvin Machine Co., New York.
Houchin-Aiken Co., Brooklyn, N. Y.
Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Staple.

Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Stone Working.

Thomas H. Dallett Co., Philadelphia, Pa.
Elyria Iron and Steel Co., Elyria, Ohio.
Willard F. Meyers Machine Co., Inc., Long Island City, N. Y.

Machinery, Street Sweeping.

(See Sweepers, Street.)

Machines, Stucco Applying.

Ransome Concrete Machinery Co., Dunellen, N. J.

Machinery, Sugar House.

American Iron Products Co., Inc., New York.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Farrel Foundry and Machine Co., Ansonia, Conn.
Goldens' Foundry and Machine Co., Columbus, Ga.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Krajewski-Pesant Corp., New York.
Link-Belt Co., Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.

Machinery, Sugar Plantation.

Link-Belt Co., Chicago, Ill.

Machines, Surfacing, Pneumatic.

Thos. H. Dallett Co., Philadelphia, Pa.

Machinery, Swaging.

Excelsior Needle Co., Torrington, Conn.

Machines, Tabulating.

Computing-Tabulating-Recording Co., New York.
Powers Accounting Machine Co., New York.

Machinery, Tack Making.

Kimball Bros. & Sprague, Brockton, Mass.
Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Tanners' and Curriers'.

R. J. Dowd Knife Works, Beloit, Wis.
Mitts & Merrill, Saginaw, Mich.

Machines, Taper Rolling and Pointing.

National Machinery Co., Tiffin, Ohio.

Machines, Testing.

Eimer & Amend, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Gisholt Machine Co., Madison, Wis.
H. Mueller Mfg. Co., Decatur, Ill.
Shore Instrument and Mfg. Co., New York.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

Machinery, Textile.

Barber-Colman Co., Rockford, Ill.
H. Brinton Co., Philadelphia, Pa.
John J. Cavagnaro, Harrison, N. J.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.

Machinery, Textile—Cont.

Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Easton & Burnham Machine Co. Pawtucket R. I.
Benjamin Eastwood Co. Paterson N. J.
Fales & Jenks Machine Co., Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
James Hunter Machine Co., North Adams, Mass.
Philadelphia Textile Machinery Co., Philadelphia, Pa.
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, Inc., Philadelphia, Pa.
Stafford Co., Readville, Mass.
Trump Bros. Machine Co., Wilmington, Del.
Universal Winding Co., Boston, Mass.

Machinery, Textile Finishing.

H. W. Butterworth & Sons Co., Philadelphia, Pa.
Curtis & Marble Machine Co., Worcester, Mass.

Machinery, Textile Printing.

Rice, Barton & Fales Machine and Iron Co., Worcester, Mass.

Machinery, Textile Shearing.

Curtis & Marble Machine Co., Worcester, Mass.

Machines, Thread Rolling.

Baush Machine Tool Co., Springfield, Mass.
National Acme Mfg. Co., Cleveland, Ohio.
National Machinery Co., Tiffin, Ohio.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machines, Threading.

Eastern Machine Screw Corp., New Haven, Conn.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Hart Mfg. Co., Cleveland, Ohio.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
H. P. Townsend Mfg. Co., Hartford, Conn.

Machinery, Tile Making.

American Clay Machinery Co., Bucyrus, O.
Willsea Works, Rochester, N. Y.

Machinery, Timber Treating.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

Machinery, Tin Can.

(See Machinery, Can Makers'.)

Machinery, Tire Making, Rubber.

Akron Rubber Mold and Machine Co., Akron, Ohio.
Williams Foundry and Machine Co., Akron, Ohio.

Machinery, Tobacco.

John B. Adt Co., Baltimore, Md.
American Machine and Foundry Co., Brooklyn, N. Y.
Buckeye Iron and Brass Works, Dayton, O.
Cardwell Machine Co., Richmond, Va.
Miller, DuBrul & Peters Mfg. Co., Cincinnati, Ohio.

Machine Tools.

(See Machinery, Metal Working; also Tools, Machine; also Machinery, Wood Working.)

Machines, Towing.

American Engineering Co., Philadelphia, Pa.

Machinery, Tube Mill.

United Engineering and Foundry Co., Pittsburgh, Pa.

Machines, Tungsten Lamp Filament.

Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Type Embossing.

Addressograph Co., Chicago, Ill.

Machines, Valve Grinding.

Foote-Burt Co., Cleveland, Ohio.

Machinery, Velvet and Plush.

Curtis & Marble Machine Co., Worcester, Mass.

Machines, Veneer Cutting.

Trevor Mfg. Co., Lockport, N. Y.

Machines, Veneering.

Advance Machinery Co., Toledo, Ohio.

Machinery, Wall Paper.

John Waldron Co., New Brunswick, N. J.

Machines, Warp-Tying.

Barber-Colman Co., Rockford, Ill.

Machinery, Watch Case.

John J. Cavagnaro, Harrison, N. J.

Machinery, Water Works.

American Iron Products Co., Inc., New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
John H. McGowan Co., Cincinnati, Ohio.
Worthington Pump and Machinery Corp., New York.

Machines, Weighing.

Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.
Werner & Pfleiderer Co., Saginaw, Mich.
Worthington Pump and Machinery Corp., New York.

Machinery, Well-Boring.

Keystone Driller Co., Beaver Falls, Pa.
Lucey Mfg. Co., New York.
Oil Well Supply Co., Pittsburgh, Pa.
Star Drilling Machine Co., Akron, Ohio.
Union Tool Co., Los Angeles, Cal.

Machinery, Wheel.

(See Machinery, Hub, Spoke and Rim.)

Machines, Whitewashing.

(See Machines, Paint and Whitewash Spraying.)

Machinery, Winding.

Barber-Colman Co., Rockford, Ill.
Easton & Burnham Machine Co., Pawtucket, R. I.
Benjamin Eastwood Co., Paterson, N. J.
Universal Winding Co., Boston, Mass.

Machinery, Wire Drawing.

Duncan Mackenzie's Sons Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machinery, Wire Insulating.

Farrel Foundry and Machine Co., Ansonia, Conn.
New England Butt Co., Providence, R. I.
John Robertson & Co., Brooklyn, N. Y.
John Royle & Sons, Paterson, N. J.
Textile Machine Works, Reading, Pa.

Machines, Wire Metal Working.

Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Wire Mill.

(See Machinery, Wire Drawing.)

Machines, Wire Nail.

Kimball Bros. & Sprague, Brockton, Mass.
National Machinery Co., Tiffin, Ohio.
Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Wire Straightening and Forming.

Baird Machine Co., Bridgeport, Conn.
A. H. Nilson Machine Co., Bridgeport, Conn.
F. B. Shuster Co., New Haven, Conn.
Sleeper & Hartley, Inc., Worcester, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Worthington Pump and Machinery Corp., New York.

Machinery, Wire Weaving.

John J. Cavagnaro, Harrison, N. J.
Houchin-Aiken Co., Brooklyn, N. Y.

Machinery, Wood Cutting and Splitting.

Lane Mfg. Co., Montpelier, Vt.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Wood Pulp.

Bagley & Sewall Co., Watertown, N. Y.
Sandy Hill Iron and Brass Works, Hudson Falls, N. Y.
Taylor-Stiles & Co., Riegelsville, N. J.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Wood Working.

Advance Machinery Co., Toledo, Ohio.
American Wood Working Machinery Co., Rochester, N. Y.
W. F. & John Barnes Co., Rockford, Ill.
Bridgeport Engineering Co., Bridgeport, Conn.
Cincinnati Shaper Co., Cincinnati, Ohio.
Defiance Machine Works, Defiance, Ohio.
R. J. Dowd Knife Works, Beloit, Wis.
J. A. Fay & Egan Co., Cincinnati, Ohio.
Lane Mfg. Co., Montpelier, Vt.
McDonough Mfg. Co., Eau Clair, Wis.
Manning, Maxwell & Moore, New York.
C. Mattison Machine Works, Beloit, Wis.
Mitts & Merrill, Saginaw, Mich.

Machinery, Wood Working—Cont.

New Britain Machine Co., New Britain, Conn.
John S. Oram Co., Cleveland, Ohio.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
H. B. Smith Machine Co., Smithville, N. J.
Taylor-Stiles & Co., Riegelsville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
S. A. Woods Machine Co., South Boston, Mass.

Machinery, Wool Bagging.

C. G. Sargent's Sons Corp., Graniteville, Mass.

Machinery, Wool Handling.

C. G. Sargent's Sons Corp., Graniteville, Mass.

Machinery, Wool and Woolen.

Curtis & Marble Machine Co., Worcester, Mass.
James Hunter Machine Co., North Adams, Mass.

Machinery, Wrapping.

American Machine and Foundry Co., Brooklyn, N. Y.
Burt Machine Co., Baltimore, Md.
Package Machinery Co., Springfield, Mass.

Machinists.

Adamson Machine Co., Akron, Ohio.
Advance Machinery Co., Toledo, Ohio.
American Machine and Foundry Co., Brooklyn, N. Y.
Atlantic Works, East Boston, Mass.
Baker Iron Works, Los Angeles, Cal.
Beaman & Smith Co., Providence, R. I.
Herman F. Behrendt, Newark, N. J.
Birmingham Machine and Foundry Co., Birmingham, Ala.
C. C. Bradley & Son, Inc., Syracuse, N. Y.
Bridgeport Engineering Co., Bridgeport, Conn.
T. H. Brooks & Co., Cleveland, Ohio.
John J. Cavagnaro, Harrison, N. J.
H. W. Cotton, Inc., New York.
C. H. Cowdrey Machine Works, Fitchburg, Mass.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia.
Crossley Machine Co., Inc., Trenton, N. J.
Davies & Thomas Co., Catasauqua, Pa.
Duff Mfg. Co., Pittsburgh, Pa.
Eagle Mfg. Co., Cincinnati, Ohio.
East Iron and Machine Co., Lima, Ohio.
Ellicott Machine Corp., Baltimore, Md.
Fairbanks Co., Springfield, Ohio.
Fairley Davidson Steel Co., inc., New York.
Farrel Foundry and Machine Co., Ansonia, Conn.
Ferro Machine and Foundry Co., Cleveland, Ohio.
W. & A. Fletcher Co., Hoboken, N. J.
Garvin Machine Co., New York.
Globe Machine and Stamping Co., Cleveland, Ohio.
Great Lakes Engineering Works, Detroit, Mich.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Harrisburg Foundry and Machine Works, Harrisburg, Pa.
Hetherington & Berner, Indianapolis, Ind.
Hill Clutch Co., Cleveland, Ohio.

Machinists—Cont.

Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Hunt & Dorman Mfg. Co., Cleveland, O.
Otto Konigslow Mfg. Co., Cleveland, Ohio.
Jones & Kuhlke, Akron, Ohio.
Chas. Leffler & Co., Brooklyn, N. Y.
Link-Belt Co., Chicago, Ill.
Love Bros., Inc., Aurora, Ill.
Duncan Mackenzie's Sons Co., Trenton, N. J.
Edward Maher's Sons, Newark, N. J.
Meese & Gottfried Co., San Francisco, Cal.
Meisel Press Mfg. Co., Boston, Mass.
Mesta Machine Co., Pittsburgh, Pa.
Thomas Mills & Bro., Inc., Philadelphia, Pa.
John Mohr & Sons, Chicago, Ill.
I. P. Morris Co., Philadelphia, Pa.
National Twist Drill and Tool Co., Detroit, Mich.
Nestor Mfg. Co., New York.
Nilson-Miller Co., Hoboken, N. J.
Frederick Osann Co., New York.
Pennsylvania Engineering Works, New Castle, Pa.
Poughkeepsie Foundry and Machine Co., Poughkeepsie, N. Y.
Reed-Prentice Co., Worcester, Mass.
James Rees & Sons Co., Pittsburgh, Pa.
Rowbottom Machine Co., Waterbury, Conn.
Russel Wheel and Foundry Co., Detroit, Mich.
Stenotype Co., Indianapolis, Ind.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
Taylor & Fenn Co., Hartford, Conn.
Trump Bros. Machine Co., Wilmington, Del.
Union Iron Works of Los Angeles, Los Angeles, Cal.
Union Tool Co., Los Angeles, Cal.
United Engineering and Foundry Co., Pittsburgh, Pa.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.
Universal Winding Co., Boston, Mass.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Vilter Mfg. Co., Milwaukee, Wis.
Warren Foundry and Machine Co., New York.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Watts-Campbell Co., Newark, N. J.
Wheeling Mold and Foundry Co., Wheeling, W. Va.
Willsea Works, Rochester, N. Y.

Mackintoshes.

(See Coats, Rain.)

Magazines, Powder.

Littleford Bros., Cincinnati, Ohio.

Magnesia Products.

Albany Chemical Co., Albany, N. Y.
Philip Carey Mfg. Co., Lockland, Ohio.
General Chemical Co., New York.
General Magnesite and Magnesia Co., Philadelphia, Pa.
H. W. Johns-Manville Co., New York.
Keasbey & Mattison Co., Ambler, Pa.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Magnesite.
General Magnesite and Magnesia Co., Philadelphia, Pa.
Hammill & Gillespie, New York.

Magnesium Salicylate.
Hayden Chemical Works, New York.
Merck & Co., New York.

Magnet Wire.
(See Wire, Magnet.)

Magnetos.
Bosch Magneto Co., New York.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Splitdorf Electrical Co., Newark, N. J.

Mail Bags.
John Boyle & Co., Inc., New York.
Wm. E. Hooper & Sons Co., Baltimore, Md.

Mail Boxes.
(See Letter Boxes.)

Mallets.
Piqua Handle and Mfg. Co., Piqua, Ohio.
Sargent & Co., New York.
John Sommer Faucet Co., Newark, N. J.
Stanley Rule and Level Co., New Britain, Conn.

Mallets, Rawhide.
Holbrook Raw Hide Co., Providence, R. I.

Mallets, Rubber.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.

Malt.
Columbia Malting Co., South Chicago, Ill.
John Kam Malting Co., Buffalo, N. Y.
Kansas City Breweries Co., Kansas City, Mo.
Manitowoc Malting Co., Manitowoc, Wis.
Massachusetts Breweries Co., Boston, Mass.
Pabst Brewing Co., Milwaukee, Wis.
William Rahr Sons' Co., Manitowoc, Wis.

Malt Extract.
Malt-Diastase Co., New York.
Parke, Davis & Co., Detroit, Mich.

Malt Tonic.
Anheuser-Busch Brewing Association, St. Louis, Mo.
P. Ballantine & Sons, Newark, N. J.
Joseph Schlitz Brewing Co., Milwaukee, Wis.

Mandrels.
Cleveland Twist Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.

Manganese.
John C. Wiarda & Co., Brooklyn, N. Y.

Manganese Copper.
(See Copper, Manganese.)

Mangles, Hand and Power.
American Laundry Machinery Co., Cincinnati, Ohio.

Manhole Covers.
Central Foundry Co., New York.
Glasgow Iron Co., Pottstown, Pa.

Manicure Sets.
C. F. Rumpp & Sons, Philadelphia, Pa.

Manifolding Stationery.
Egry Register Co., Dayton, Ohio.

Manifolding Systems.
Egry Register Co., Dayton, Ohio.

Mantels, Marble.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Mantels, Tile.
Samuel H. French & Co., Philadelphia, Pa.

Mantels, Wood.
E. Bailey & Sons, Inc., Patchogue, N. Y.
St. John Wood Working Co., Stamford, Conn.

Mantles, Incandescent Gas.
General Gas Light Co., Kalamazoo, Mich.
Welsbach Co., Gloucester, N. J.

Maps and Charts.
Rand, McNally & Co., Chicago, Ill.

Marble.
Christa Marble Co., Detroit, Mich.
Georgia Marble Co., Tate, Ga.
Grant Marble Co., Milwaukee, Wis.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Marble Dust.
Higginson Mfg. Co., Newburgh, N. Y.

Margarine.
Nucoa Butter Co., Inc., Bayonne, N. J.

Markers, Cattle.
L. A. Sayre Co., Newark, N. J.

Markers, Sign.
Fulton Specialty Co., Elizabeth, N. J.

Massage, Apparatus.
(See Machines, Massage.)

Match Manufacturers' Supplies.
American Splint Corp., New York.

Mats and Matting, Cocoa.
Joseph Wild & Co., New York.

Mats and Matting, Rubber.
Acme Rubber Mfg. Co., Trenton, N. J.
Empire Rubber and Tire Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Gutta Percha and Rubber Mfg. Co., New York.
Hamilton Rubber Mfg. Co., Trenton, N. J.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Quaker City Rubber Co., Philadelphia, Pa.
United States Rubber Export Co., Ltd., New York.

Mats, Steel.
Cary Mfg. Co., Brooklyn, N. Y.

Mattocks.

Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
Klein-Logan Co., Pittsburgh, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Mattress Shoddy (Filling).

Louisville Pillow Co., Louisville, Ky.

Mattresses, Cotton, Felt, Wool, Etc.

Frank A. Hall & Sons. New York.
Louisville Pillow Co., Louisville, Ky.
Stearns & Foster Co., Cincinnati, Ohio.

Mattresses, Wire.

Bernstein Mfg. Co., Philadelphia, Pa.
Frank A. Hall & Sons, New York.
Newark Spring Mattress Co., Newark, N. J.
Simmons Co., Kenosha, Wis.
Whitcomb Metallic Bedstead Co., Derby, Conn.

Meal, Cotton Seed.

Southern Cotton Oil Co., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Meal, Linseed.

American Linseed Co., New York.
William Goodrich & Co., Milwaukee, Wis.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Meats, Canned.

Cudahy Packing Co., Chicago, Ill.
Curtice Bros. Co., Rochester, N. Y.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Morris & Co., Chicago, Ill.
Swift & Co., Chicago, Ill.
Wilson & Co., Chicago Ill.

Medicines, Proprietary:

Bristol-Myers Co., Brooklyn, N. Y.
Chattanooga Medicine Co., Chattanooga, Tenn.
Hall & Ruc .. New York.
Dr. Kilmer & Co., Binghamton, N. Y.
Dr. Miles Medical Co., Elkhart, Ind.
Charles H. Philiips Chemical Co., New York.
Martin H. Smith Co., New York.
United Drug Co., Boston, Mass.

Mercerizers.

Aspinook Co., Jewett City, Conn.
Bellman Brook Bleachery Co., Fairview, N. J.
Robert D. Mason Co., Pawtucket, R. I.
Standard Bleachery Co., Carlton, N. J.

Mercurials.

Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Mercury, Nitrate of

Franklin H. Kalbfleish Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Merry-Go-Rounds.

Herschell-Spillman Co., North Tonawanda, N. Y.

Metal, Expanded.

Berger Mfg. Co., Canton, Ohio.
Milwaukee Corrugating Co., Milwaukee, Wis.
Trussed Concrete Steel Co., Youngstown, Ohio.

Metal, Extruded.

American Brass Co., Waterbury, Conn.

Metals, Linotype and Monotype.

Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Francisco, Cal.

Metal, Perforated.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Central Stamping Co., New York.
Jeffrey Mfg. Co., Columbus, Ohio.

Metals, Stereotype.

Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Francisco, Cal.

Metal Work, Architectural.

(See Ironwork, Architectural; also Architectural Sheet Metal Work.)

Metal Work, Ornamental.

Gorham Mfg. Co., New York.
Manhattan Brass Co., New York.
J. L. Mott Iron Works, New York.
W. H. Mullins Co., Salem, Ohio.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Metal Work, Sheet.

(See Sheet and Plate Metal Work.)

Metal Work, Wire.

(See also Screens, Wire; also Wire Cloth and Netting; also Wire Fencing.)

Dow Wire and Iron Works, Louisville, Ky.
Andrew B. Hendryx Co., New Haven, Conn.
Michigan Wire Cloth Co., Detroit, Mich.
Oakville Co., Waterbury, Conn.
Townsend Co., New Brighton, Pa.
Wright Wire Co., Worcester, Mass.

Meters, Air.

American District Steam Co., North Tonawanda, N. Y.
Denver Rock Drill Mfg. Co., Denver, Colo.

Meters, Electrical.

(See Electrical Measuring Instruments.)

Meters, Current (for Stream Gauging).

W. & L. E. Gurley, Troy, N. Y.
Holtzer-Cabot Electric Co., Roxbury, Mass.

Meters, Gas.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Charles H. Dickey & Co., Baltimore, Md.
Equitable Meter Co., Pittsburgh, Pa.
John J. Griffin & Co., Philadelphia, Pa.
Sprague Meter Co., Bridgeport, Conn.
Nathaniel Tufts Meter Co., Boston, Mass.

Meters, Gasoline and Fuel Oil.

Neptune Meter Co., New York.

Meters, Water.

American District Steam Co., North Tonawanda, N. Y.
Harrison Safety Boiler Works, Philadelphia, Pa.
National Meter Co., New York.
Neptune Meter Co., New York.
Worthington Pump and Machinery Corp., New York.

Methyl Salicylate.

Heyden Chemical Works, New York.
Merck & Co., New York.

Microscopes.

Eimer & Amend, New York.

Military Equipments.

Harbison & Gathright, Louisville, Ky.
Henderson-Ames Co., Kalamazoo, Mich.
M. C. Lilley & Co., Columbus, Ohio.

Milk, Condensed.

Bridgeton Condensed Milk Co., Bridgeton, N. J.
Hires Condensed Milk Co., Philadelphia, Pa.
Libby, McNeill & Libby, Chicago, Ill.

Milk, Evaporated.

Bridgeton Condensed Milk Co., Bridgeton, N. J.
Hires Condensed Milk Co., Philadelphia, Pa.
Libby, McNeill & Libby, Chicago, Ill.

Milk Jars, Glass.

(See Jars, Milk, Glass.)

Milk, Malted.

Horlick's Malted Milk Co., Racine, Wis.

Mill Stones.

Chicago Wheel and Mfg. Co., Chicago, Ill.

Mill Supplies, Industrial.

American Multiple Fabric Co., Providence, R. I.
American Vulcanized Fibre Co., Wilmington, Del.
Barnard & Leas Mfg. Co., Moline, Ill.
Bernstein Mfg. Co., Philadelphia, Pa.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Jeffrey Mfg. Co., Columbus, Ohio.
Keasbey & Mattison Co., Ambler, Pa.
Lindsay Wire Weaving Co., Collinwood, O.
Manning, Maxwell & Moore, New York.
W. S. Nott Co., Minneapolis, Minn.
Page Belting Co., Concord, N. H.
A. A. Simonds & Son Co., Dayton, Ohio.
Skinner Chuck Co., New Britain, Conn.
Slocum, Avram & Slocum, Inc., New York.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Thermoid Rubber Co., Trenton, N. J.
W. W. & C. F. Tucker, Hartford, Conn.
Van Dorn & Dutton Co., Cleveland, Ohio.

Mill Supplies, Textile.

American Multiple Fabric Co., Providence, R. I.
American Vulcanized Fibre Co., Wilmington, Del.
Case Bros., Inc., Highland Park, Manchester, Conn.
William Crabb & Co., Newark, N. J.
C. F. Crehore & Son, Boston, Mass.

Mill Supplies, Textile—Cont.

Lowell Paper Tube Corp. Lowell, Mass.
Mechanical Fabric Co., Providence, R. I.
G. M. Parks Co., Fitchburg, Mass.
Joseph T. Pearson, Philadelphia, Pa.
Union Paper Co., New York.
United States Bobbin and Shuttle Co., Providence, R. I.

Millboard, Asbestos.

Philip Carey Mfg. Co., Lockland, Ohio.

Millinery Buckram.

Adams Mfg. Co., New York.

Millinery Goods.

James G. Johnson & Co., New York.

Mills, Boring and Turning.

American Wood Working Machinery Co., Rochester, N. Y.
Baker Bros., Toledo, Ohio.
Baush Machine Tool Co., Springfield, Mass.
Beaman & Smith Co., Providence, R. I.
Colburn Machine Tool Co., Franklin, Pa.
Foote-Burt Co., Cleveland, Ohio.
Edwin Harrington, Son & Co., Philadelphia, Pa.
King Machine Tool Co., Cincinnati, Ohio.
Lucas Machine Tool Co., Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Millers Falls Co., Millers Falls, Mass.
Mitts & Merrill, Saginaw, Mich.
Morse Twist Drill and Machine Co., New Bedford, Mass.
New Britain Machine Co., New Britain, Conn.
Niles-Bement-Pond Co., New York.
Potter & Johnston Machine Co., Pawtucket, R. I.
William Sellers & Co., Inc., Philadelphia, Pa.
James Swan Co., Seymour, Conn.

Mills, Cane.

Birmingham Machine and Foundry Co., Birmingham, Ala.
Farrel Foundry and Machine Co., Ansonia, Conn.
Goldens' Foundry and Machine Co., Columbus, Ga.
Krajewski-Pesant Corp., New York.

Mills, Cider.

S. Freeman & Sons Mfg. Co., Racine, Wis.

Mills, Coffee.

Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Huntley Mfg. Co., Silver Creek, N. Y.
Charles Parker Co., Meriden, Conn.

Mills, Corn and Feed.

Barnard & Leas Mfg. Co., Moline, Ill.
Engelberg Huller Co., Syracuse, N. Y.
Fairbanks, Morse & Co., Chicago, Ill.
A. B. Farquhar & Co., New York.
Huntley Mfg. Co., Silver Creek, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Worthington Pump and Machinery Corp., New York.

Mills, Crushing and Pulverizing.

(See Machinery, Crushing and Pulverizing.)

Mills, Cyanide Gold Extracting.
(See Cyanide Gold Extracting Plants.)

Mills, Drug.
J. H. Day Co., Cincinnati, Ohio.
Eimer & Amend, New York.

Mills, Emery Rock.
Sturtevant Mill Co., Boston, Mass.

Mills, Fanning.
Barnard & Leas Mfg. Co., Moline, Ill.
Cardwell Machine Co., Richmond, Va.
Engelberg Huller Co., Syracuse, N. Y.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Huntley Mfg. Co., Silver Creek, N. Y.

Mills, Flour.
(See Machinery, Flour Mill.)

Mills, Hominy and Tortilla.
Engelberg Huller Co., Syracuse, N. Y.
A. B. Farquhar & Co., New York.

Mills, Paint.
C. O. Bartlett & Snow Co., Cleveland, O.
Sturtevant Mill Co., Boston, Mass.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.

Mills, Stamp.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Worthington Pump and Machinery Corp., New York.

Mince Meat
American Preserve Co., Philadelphia, Pa.
Curtice Brothers, Rochester, N. Y.

Mining Supplies.
Boyts, Porter & Co., Connellsville, Pa.
Scranton Forging Co., Scranton, Pa.

Mining Timbers.
(See Lumber, Fir and Spruce.)

Mirror Frames.
H. Lieber Co., Indianapolis, Ind.

Mirror Plates.
Conroy-Prugh Co., Pittsburgh, Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.

Mirrors, Hall.
Conroy-Prugh Co., Pittsburgh, Pa.

Mirrors, Plate Glass.
Conroy-Prugh Co., Pittsburgh, Pa.
Doernbecher Mfg. Co., Portland, Ore.
J. P. Eustis Mfg. Co., Cambridge, Mass.
W. P. Fuller & Co., San Francisco, Cal.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.

Mirrors, Toilet.
Arlington Co., New York.
Conroy-Prugh Co., Pittsburgh, Pa.
Fiberloid Co., Indian Orchard, Mass.
Florence Mfg. Co., Florence, Mass.
H. B. Hardenburg & Co., Brooklyn, N. Y.

Mirrors, Toilet—Cont.
S. Langsdorf & Co., New York.
Bernard Rice's Sons, New York.
William Schimper & Co., Hoboken, N. J.
Webster Co., North Attleboro, Mass.

Mittens, Leather.
Richard Evans & Sons, Johnstown, N. Y.
Graton & Knight Mfg. Co., Worcester, Mass.
O. C. Hansen Mfg. Co., Milwaukee, Wis.
Helmholtz Mitten Co., Cudahy, Wis.

Mittens, Woolen, Etc.
(See Gloves and Mittens, Woolen, etc.)

Mixers, Chemical.
Read Machinery Co., Inc., York, Pa.
Sowers Mfg. Co., Buffalo, N. Y.
Werner & Pfleiderer, Saginaw, Mich.

Mixers, Concrete.
Blaw Steel Construction Co., Pittsburgh, Pa.
Lansing Co., Lansing, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Molasses.
Milliken & Farwell, New Orleans, La.
Penick & Ford, Ltd., New Orleans, La.
Leonce M. Soniat, Darcyville, La.

Moldings, Metal
Bristol Brass Co., Bristol, Conn.
C. Cowles & Co., New Haven, Conn.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
National Metal Molding Co., Pittsburgh, Pa.

Moldings, Picture Frame.
H. Lieber Co., Indianapolis, Ind.
Reuhl Molding Mfg. Co., Cincinnati, Ohio.
F. Zimmerman Co., Cleveland, Ohio.

Moldings, Wood.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Sons, Brooklyn, N. Y.
A. C. Cheney Piano Action Co., Castleton-on-Hudson, N. Y.
Curtis Lumber and Millwork Co., Clinton, Iowa.
Curtis Sash and Door Co., Sioux City, Iowa.
Curtis, Towle & Paine Co., Lincoln, Neb.
Otto Duker & Co., Baltimore, Md.
M. B. Farrin Lumber Co., Cincinnati, O.
M. J. Gibbud Co, Inc., New Haven, Conn.
Hammond Lumber Co., San Francisco, Cal.
Huttig Sash and Door Co., St. Louis, Mo.
Johnson Bros., Brooklyn, N. Y.
H. Lieber Co., Indianapolis, Ind.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
A. Roberson & Son, Binghamton, N. Y.
Saginaw & Manistee Lumber Co., Williams, Ariz.
St. John Wood Working Co., Stamford, Conn.
Scott-Graff Lumber Co., Duluth, Minn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.

Molds, Cigar.
Miller, DuBrul & Peters Mfg. Co., Cincinnati, Ohio.

Molds, Cylinder.
Cheney Bigelow Wire Works, Springfield, Mass.

Molds, Rubber.
Jones & Kuhlke, Akron, Ohio.

Molds, Rubber Tire.
Jones & Kuhlke, Akron, Ohio.

Molybdenum Metal.
Merck & Co., New York.
Primos Chemical Co., Primos, Pa.

"Monel" Metal.
Driver-Harris Wire Co., Harrison, N. J.

Monorail Systems.
Manning, Maxwell & Moore, Inc., New York.

Monuments, Bronze.
Gorham Mfg. Co., New York.

Monuments, Marble.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Mop Yarns.
Louisville Cotton Mills Co., Louisville, Ky.

Mordants.
(See Dyeing Materials.)

Morphine.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Mortar Boxes, Steel.
W. J. Clark Co., Salem, Ohio.

Mortisers, Wood.
(See Machinery, Wood Working.)

Mosaics.
American Encaustic Tiling Co., Ltd., New York.

Motometers.
Moto-Meter Co., Inc., Long Island City, N. Y.

Motor Parts.
Corbin Screw Corp., New Britain, Conn.
Damascus Bronze Co., Pittsburgh, Pa.
Detroit Screw Works, Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Van Dorn & Dutton Co., Cleveland, Ohio.

Motor Wheels.
A. O. Smith Co., Milwaukee, Wis.

Motorcycle Parts.
Hendee Mfg. Co., Springfield, Mass.
Standard Co., Torrington, Conn.
Standard Welding Co., Cleveland, Ohio.
Westfield Mfg. Co., Westfield, Mass.
Wheeler-Schebler Carburetor Co., Indianapolis, Ind.

Motorcycles.
Davis Sewing Machine Co., Dayton, Ohio.
Hendee Mfg. Co., Springfield, Mass.
Westfield Mfg. Co., Westfield, Mass.

Motors, Aeroplane.
Continental Motors Corp., Detroit, Mich.
B. F. Sturtevant Co., Boston, Mass.

Motors, Air.
(See Windmills.)

Motors, Bicycle.
A. O. Smith Co., Milwaukee, Wis.

Motors, Electric.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Blower Co., Detroit, Mich.
Electric Specialty Co., Stamford, Conn.
Fairbanks, Morse & Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Jantz & Leist Electric Co., New York.
Lincoln Electric Co., Cleveland, Ohio.
Manhattan Electrical Supply Co., New York.
Robbins & Myers Co., Springfield, Ohio.
Sprague Electric Works of General Electric Co., New York.
B. F. Sturtevant Co., Boston, Mass.
Triumph Electric Co., Cincinnati, Ohio.
Wagner Electric Mfg. Co., St. Louis, Mo.

Motors, Gasoline and Automobile.
(See Engines, Gas and Gasoline.)

Motors, Phonograph.
D. S. Plumb, Newark, N. J.

Motors, Spring.
D. S. Plumb, Newark, N. J.

Motors, Water.
Worthington Pump and Machinery Corp., New York.

Movements, Gauge and Meter.
D. S. Plumb, Newark, N. J.

Moving Picture Apparatus.
Globe Machine and Stamping Co., Cleveland, Ohio.
Nicholas Power Co., New York.
Slocum, Avram & Slocum, Inc., New York.

Mowers.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Mowers, Lawn.
Philadelphia Lawn Mower Co., Philadelphia, Pa.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Mowers, Lawn, Motor Driven.
Austin Mfg. Co., Chicago, Ill.
Philadelphia Lawn Mower Co., Philadelphia, Pa.

Mucilage and Paste.
Arabol Mfg. Co., New York.
Carter's Ink Co., Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
Kroma Color Co., Sandusky, Ohio.
S. S. Stafford, Inc., New York.

Mufflers, Silk.
Kattermann & Mitchell Co., Paterson, N. J.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.

Multigraphs.
American Multigraph Sales Co., Cleveland, Ohio.

Museum Cases.
Snead & Co. Iron Works, Jersey City, N. J.

Music Boxes.
Regina Co., Rahway, N. J.

Music Carriers.
C. F. Rumpp & Sons, Philadelphia, Pa.

Music Publishers.
John Church Co., Cincinnati, Ohio.
J. W. York & Sons, Grand Rapids, Mich.

Musical Instruments.
(See Instruments, Musical.)

Mustard.
A. Colburn Co., Philadelphia, Pa.
E. R. Durkee & Co., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Jones Brothers Tea Co., Brooklyn, N. Y.
Stickney & Poor Spice Co., Boston, Mass.

Nail Files.
Havell Mfg. Co., Newark, N. J.
Nicholson File Co., Providence, R. I.

Nails and Tacks, Brass.
American Ring Co.,Waterbury, Conn.
John Hassall, Inc., Brooklyn, N. Y.
Mattatuck Mfg. Co., Waterbury, Conn.
Rome Brass and Copper Co., Rome, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

Nails and Tacks, Copper.
Crandal, Stone & Co., Binghamton, N. Y.
John Hassall, Inc., Brooklyn, N. Y.
Rome Brass and Copper Co. Rome, N. Y.
Turner & Seymour Mfg. Co. Torrington, Conn.

Nails, Cement Coated.
Colorado Fuel and Iron Co., Denver, Colo.
Pittsburgh Steel Co., Pittsburgh, Pa.

Nails, Cut.
Belfont Iron Works Co., Ironton, Ohio.
La Belle Iron Works, Steubenville, Ohio.

Nails, Horseshoe.
Capewell Horse Nail Co., Hartford, Conn.

Nails, Wire.
Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Corbin Screw Corp., New Britain, Conn.
Gulf States Steel Co., Birmingham, Ala.
John Hassall, Inc., Brooklyn, N. Y.
Igoe Brothers, Newark, N. J.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Napththa.
Atlantic Refining Co., Philadelphia, Pa.
Barrett Co., New York.
Merck & Co., New York.
Tide Water Oil Co., New York.
Union Oil Co. of Cal., Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
United Gas Improvement Co., Philadelphia, Pa.
Valvoline Oil Co., New York.
Woodward Iron Co., Woodward, Ala.
Zenith Furnace Co., West Duluth, Minn.

Naphthaline.
Barrett Co., New York.
Merck & Co., New York.
United Gas Improvement Co., Philadelphia, Pa.

Napkins, Paper.
John Hoberg Co., Green Bay, Wis.
Northern Paper Mills, Green Bay, Wis.

Neck-Yokes.
Von Behren Mfg. Co., Evansville, Ind.

Neckties.
Berliner, Strauss & Meyer, New York.
Hewes & Potter, Boston, Mass.
Hope Webbing Co., Providence, R. I.
Lynn Ornament Co., Lynn, Mass.

Neckwear, Women's.
Ch. Bassell, New York.
Timothy F. Crowley, Inc., New York.
Engel & Kraus, New York.
Levi, Simson & Co., New York.
Samstag & Hilder Bros., New York.

Needles, Knitting Machine.
Excelsior Needle Co., Torrington, Conn.
Fred J. Potter & Co., New Brunswick, N. J.

Needles, Sewing Machine.
Excelsior Needle Co., Torrington, Conn.
New Home Sewing Machine Co., Orange, Mass.

Nets, Cotton.
Adams Mfg. Co., New York.
Hamilton Trading Co., Inc., New York.

Nets, Curtain.
Patchogue Mfg. Co., New York.

Nets, Dress.
American Bobbinet Co., Newburgh, N. Y.
John Bromley & Sons, Inc., Philadelphia, Pa.
Hall Lace Co., Jersey City, N. J.
Louis Hamburger & Co., New York.
Hamilton Trading Co., Inc., New York.
Julius Kayser & Co., New York.
E. & Z. Van Raalte, Inc., New York.

Nets, Hat.
Adams Mfg. Co., New York.

Nettings, Mosquito.
Adams Mfg. Co., New York.
Griswoldville Mfg. Co., New York.
Michigan Wire Cloth Co., Detroit, Mich.
I. E. Palmer Co., Middletown, Conn.

Netting, Wire.
(See Wire Cloth and Netting.)

Machinery, Saw Mill—Cont.

Mitts & Merrill, Saginaw, Mich.
Portland Iron Works, Portland, Ore.
John Royle & Sons, Paterson, N. J.
Silver Mfg. Co., Salem, Ohio.
H. B. Smith Machine Co., Smithville, N. J.
Sumner Iron Works, Everett, Wash.
Union Iron Works, Spokane, Wash.
Wickes Bros., Saginaw, Mich.
S. A. Woods Machine Co., Boston, Mass.

Machinery, Screening.

C. O. Bartlett & Snow Co., Cleveland, O.
Kent Mill Co., Brooklyn, N. Y.
W. S. Tyler Co., Cleveland, Ohio.

Machines, Screw.

Boye & Emmes Machine Tool Co., Cincinnati, Ohio.
Champion Tool Works Co., Cincinnati, O.
Cincinnati Iron and Steel Co., Cincinnati, Ohio.
Garvin Machine Co., New York.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Jarecki Mfg. Co., Erie, Pa.
National-Acme Mfg. Co., Cleveland, Ohio.
New Britain Machine Co., New Britain, Conn.
Charles Nobs & Son, Newark, N. J.
Stenotype Co., Indianapolis, Ind.
H. P. Townsend Mfg. Co., Hartford, Conn.
Warner & Swasey Co., Cleveland, Ohio.

Machines, Scroll Sawing.

J. A. Fay & Egan Co., Cincinnati, Ohio.
Trump Bros. Machine Co., Wilmington, Del.

Machines, Sealing.

Adriance Machine Works, Inc., Brooklyn, N. Y.
Automatic Weighing Machine Co., Newark, N. J.

Machines, Sewing.

Davis Sewing Machine Co., Dayton, Ohio.
New Home Sewing Machine Co., Orange, Mass.
Frederick Osann Co., New York.
Standard Sewing Machine Co., Cleveland, Ohio.
Trump Bros. Machine Co., Wilmington, Del.
White Sewing Machine Co., Cleveland, O.

Machines, Shaft Straightening and Turning.

Lewis Foundry and Machine Co., Pittsburgh, Pa.

Machines, Shearing and Clipping.

Chicago Flexible Shaft Co., Chicago, Ill.
W. W. & C. F. Tucker, Hartford, Conn.

Machinery, Sheet Metal Working.

Adriance Machine Works, Brooklyn, N. Y.
Max Ams Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
R. J. Dowd Knife Works, Beloit, Wis.
Ferracute Machine Co., Bridgeton, N. J.
Chas. Leffler & Co., Brooklyn, N. Y.
Niagara Machine and Tool Works, Buffalo, N. Y.

Machinery, Shingle.

Lane Mfg. Co., Montpelier, Vt.
Sumner Iron Works, Everett, Wash.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Ship Builders'.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
J. A. Fay & Egan Co., Cincinnati, Ohio.

Machinery, Ship Loading and Unloading.

(See also Cranes; also Capstans.)
Lidgerwood Mfg. Co., New York.
Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., Cambridge, Mass.

Machinery, Shoe Stitching.

Standard Sewing Machine Co., Cleveland, Ohio.

Machinery, Shop Woodworking.

(See Machinery, Woodworking.)

Machinery, Shredding.

(See also Shredders, Corn.)
Curtis & Marble Machine Co., Worcester, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.

Machinery, Slaughter and Packing House.

Brecht Co., St. Louis, Mo.
Link-Belt Co., Chicago, Ill.
N. R. Streeter & Co., Rochester, N. Y.

Machines, Slitting.

Max Ams Machine Co., Bridgeport, Conn.
John Jacques & Son, Worcester, Mass.
M. D. Knowlton Co., Rochester, N. Y.
Meisel Press Mfg. Co., Boston, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machines, Slotting.

(See Slotters.)

Machinery, Smelting.

(See Machinery, Concentrating and Smelting.)

Machinery, Soap Making.

Houchin-Aiken Co., Brooklyn, N. Y.
Sowers Mfg. Co., Buffalo, N. Y.

Machinery, Soda Water.

(See Carbonating Apparatus.)

Machinery, Spinning.

Easton & Burnham Machine Co., Pawtucket, R. I.
Fales & Jenks Machine Co., Pawtucket, R. I.
H. & B. American Machine Co., Ltd., Pawtucket, R. I.

Machines, Spraying.

Fairbanks, Morse & Co., Chicago, Ill.

Machinery, Spring Bed.

Houchin-Aiken Co., Brooklyn, N. Y.
Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Spring Coiling and Finishing.

Baird Machine Co., Bridgeport, Conn.
Garvin Machine Co., New York.
Houchin-Aiken Co., Brooklyn, N. Y.
Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Staple.

Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Stone Working.

Thomas H. Dallett Co., Philadelphia, Pa.
Elyria Iron and Steel Co., Elyria, Ohio.
Willard F. Meyers Machine Co., Inc., Long Island City, N. Y.

Machinery, Street Sweeping.

(See Sweepers, Street.)

Machines, Stucco Applying.

Ransome Concrete Machinery Co., Dunellen, N. J.

Machinery, Sugar House.

American Iron Products Co., Inc., New York.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Farrel Foundry and Machine Co., Ansonia, Conn.
Goldens' Foundry and Machine Co., Columbus, Ga.
Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Krajewski-Pesant Corp., New York.
Link-Belt Co., Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.

Machinery, Sugar Plantation.

Link-Belt Co., Chicago, Ill.

Machines, Surfacing, Pneumatic.

Thos. H. Dallett Co., Philadelphia, Pa.

Machinery, Swaging.

Excelsior Needle Co., Torrington, Conn.

Machines, Tabulating.

Computing-Tabulating-Recording Co., New York.
Powers Accounting Machine Co., New York.

Machinery, Tack Making.

Kimball Bros. & Sprague, Brockton, Mass.
Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Tanners' and Curriers'.

R. J. Dowd Knife Works, Beloit, Wis.
Mitts & Merrill, Saginaw, Mich.

Machines, Taper Rolling and Pointing.

National Machinery Co., Tiffin, Ohio.

Machines, Testing.

Eimer & Amend, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Gisholt Machine Co., Madison, Wis.
H. Mueller Mfg. Co., Decatur, Ill.
Shore Instrument and Mfg. Co., New York.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

Machinery, Textile.

Barber-Colman Co., Rockford, Ill.
H. Brinton Co., Philadelphia, Pa.
John J. Cavagnaro, Harrison, N. J.
Cohoes Iron Foundry and Machine Co., Cohoes, N. Y.

Machinery, Textile—Cont.

Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Easton & Burnham Machine Co. Pawtucket R. I.
Benjamin Eastwood Co. Paterson N. J.
Fales & Jenks Machine Co., Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
James Hunter Machine Co., North Adams, Mass.
Philadelphia Textile Machinery Co., Philadelphia, Pa.
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, Inc., Philadelphia, Pa.
Stafford Co., Readville, Mass.
Trump Bros. Machine Co., Wilmington, Del.
Universal Winding Co., Boston, Mass.

Machinery, Textile Finishing.

H. W. Butterworth & Sons Co., Philadelphia, Pa.
Curtis & Marble Machine Co., Worcester, Mass.

Machinery, Textile Printing.

Rice, Barton & Fales Machine and Iron Co., Worcester, Mass.

Machinery, Textile Shearing.

Curtis & Marble Machine Co., Worcester, Mass.

Machines, Thread Rolling.

Baush Machine Tool Co., Springfield, Mass.
National Acme Mfg. Co., Cleveland, Ohio.
National Machinery Co., Tiffin, Ohio.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machines, Threading.

Eastern Machine Screw Corp., New Haven, Conn.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Hart Mfg. Co., Cleveland, Ohio.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
H. P. Townsend Mfg. Co., Hartford, Conn.

Machinery, Tile Making.

American Clay Machinery Co., Bucyrus, O.
Willsea Works, Rochester, N. Y.

Machinery, Timber Treating.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

Machinery, Tin Can.

(See Machinery, Can Makers'.)

Machinery, Tire Making, Rubber.

Akron Rubber Mold and Machine Co., Akron, Ohio.
Williams Foundry and Machine Co., Akron, Ohio.

Machinery, Tobacco.

John B. Adt Co., Baltimore, Md.
American Machine and Foundry Co., Brooklyn, N. Y.
Buckeye Iron and Brass Works, Dayton, O.
Cardwell Machine Co., Richmond, Va.
Miller, DuBrul & Peters Mfg. Co., Cincinnati, Ohio.

Machine Tools.
(See Machinery, Metal Working; also Tools, Machine; also Machinery, Wood Working.)

Machines, Towing.
American Engineering Co., Philadelphia, Pa.

Machinery, Tube Mill.
United Engineering and Foundry Co., Pittsburgh, Pa.

Machines, Tungsten Lamp Filament.
Sleeper & Hartley, Inc., Worcester, Mass.

Machines, Type Embossing.
Addressograph Co., Chicago, Ill.

Machines, Valve Grinding.
Foote-Burt Co., Cleveland, Ohio.

Machinery, Velvet and Plush.
Curtis & Marble Machine Co., Worcester, Mass.

Machines, Veneer Cutting.
Trevor Mfg. Co., Lockport, N. Y.

Machines, Veneering.
Advance Machinery Co., Toledo, Ohio.

Machinery, Wall Paper.
John Waldron Co., New Brunswick, N. J.

Machines, Warp-Tying.
Barber-Colman Co., Rockford, Ill.

Machinery, Watch Case.
John J. Cavagnaro, Harrison, N. J.

Machinery, Water Works.
American Iron Products Co., Inc., New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
John H. McGowan Co., Cincinnati, Ohio.
Worthington Pump and Machinery Corp., New York.

Machines, Weighing.
Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.
Werner & Pfleiderer Co., Saginaw, Mich.
Worthington Pump and Machinery Corp., New York.

Machinery, Well-Boring.
Keystone Driller Co., Beaver Falls, Pa.
Lucey Mfg. Co., New York.
Oil Well Supply Co., Pittsburgh, Pa.
Star Drilling Machine Co., Akron, Ohio.
Union Tool Co., Los Angeles, Cal.

Machinery, Wheel.
(See Machinery, Hub, Spoke and Rim.)

Machines, Whitewashing.
(See Machines, Paint and Whitewash Spraying.)

Machinery, Winding.
Barber-Colman Co., Rockford, Ill.
Easton & Burnham Machine Co., Pawtucket, R. I.
Benjamin Eastwood Co., Paterson, N. J.
Universal Winding Co., Boston, Mass.

Machinery, Wire Drawing.
Duncan Mackenzie's Sons Co., Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Machinery, Wire Insulating.
Farrel Foundry and Machine Co., Ansonia, Conn.
New England Butt Co., Providence, R. I.
John Robertson & Co., Brooklyn, N. Y.
John Royle & Sons, Paterson, N. J.
Textile Machine Works, Reading, Pa.

Machines, Wire Metal Working.
Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Wire Mill.
(See Machinery, Wire Drawing.)

Machines, Wire Nail.
Kimball Bros. & Sprague, Brockton, Mass.
National Machinery Co., Tiffin, Ohio.
Sleeper & Hartley, Inc., Worcester, Mass.

Machinery, Wire Straightening and Forming.
Baird Machine Co., Bridgeport, Conn.
A. H. Nilson Machine Co., Bridgeport, Conn.
F. B. Shuster Co., New Haven, Conn.
Sleeper & Hartley, Inc., Worcester, Mass.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Worthington Pump and Machinery Corp., New York.

Machinery, Wire Weaving.
John J. Cavagnaro, Harrison, N. J.
Houchin-Aiken Co., Brooklyn, N. Y.

Machinery, Wood Cutting and Splitting.
Lane Mfg. Co., Montpelier, Vt.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Wood Pulp.
Bagley & Sewall Co., Watertown, N. Y.
Sandy Hill Iron and Brass Works, Hudson Falls, N. Y.
Taylor-Stiles & Co., Riegelsville, N. J.
Trevor Mfg. Co., Lockport, N. Y.

Machinery, Wood Working.
Advance Machinery Co., Toledo, Ohio.
American Wood Working Machinery Co., Rochester, N. Y.
W. F. & John Barnes Co., Rockford, Ill.
Bridgeport Engineering Co., Bridgeport, Conn.
Cincinnati Shaper Co., Cincinnati, Ohio.
Defiance Machine Works, Defiance, Ohio.
R. J. Dowd Knife Works, Beloit, Wis.
J. A. Fay & Egan Co., Cincinnati, Ohio.
Lane Mfg. Co., Montpelier, Vt.
McDonough Mfg. Co., Eau Clair, Wis.
Manning, Maxwell & Moore, New York.
C. Mattison Machine Works, Beloit, Wis.
Mitts & Merrill, Saginaw, Mich.

Machinery, Wood Working—Cont.

New Britain Machine Co., New Britain, Conn.
John S. Oram Co., Cleveland, Ohio.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
H. B. Smith Machine Co., Smithville, N. J.
Taylor-Stiles & Co., Riegelsville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
S. A. Woods Machine Co., South Boston, Mass.

Machinery, Wool Bagging.

C. G. Sargent's Sons Corp., Graniteville, Mass.

Machinery, Wool Handling.

C. G. Sargent's Sons Corp., Graniteville, Mass.

Machinery, Wool and Woolen.

Curtis & Marble Machine Co., Worcester, Mass.
James Hunter Machine Co., North Adams, Mass.

Machinery, Wrapping.

American Machine and Foundry Co., Brooklyn, N. Y.
Burt Machine Co., Baltimore, Md.
Package Machinery Co., Springfield, Mass.

Machinists.

Adamson Machine Co., Akron, Ohio.
Advance Machinery Co., Toledo, Ohio.
American Machine and Foundry Co., Brooklyn, N. Y.
Atlantic Works, East Boston, Mass.
Baker Iron Works, Los Angeles, Cal.
Beaman & Smith Co., Providence, R. I.
Herman F. Behrendt, Newark, N. J.
Birmingham Machine and Foundry Co., Birmingham, Ala.
C. C. Bradley & Son, Inc., Syracuse, N. Y.
Bridgeport Engineering Co., Bridgeport, Conn.
T. H. Brooks & Co., Cleveland, Ohio.
John J. Cavagnaro, Harrison, N. J.
H. W. Cotton, Inc., New York.
C. H. Cowdrey Machine Works, Fitchburg, Mass.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia.
Crossley Machine Co., Inc., Trenton, N. J.
Davies & Thomas Co., Catasauqua, Pa.
Duff Mfg. Co., Pittsburgh, Pa.
Eagle Mfg. Co., Cincinnati, Ohio.
East Iron and Machine Co., Lima, Ohio.
Ellicott Machine Corp., Baltimore, Md.
Fairbanks Co., Springfield, Ohio.
Fairley Davidson Steel Co., inc., New York.
Farrel Foundry and Machine Co., Ansonia, Conn.
Ferro Machine and Foundry Co., Cleveland, Ohio.
W. & A. Fletcher Co., Hoboken, N. J.
Garvin Machine Co., New York.
Globe Machine and Stamping Co., Cleveland, Ohio.
Great Lakes Engineering Works, Detroit, Mich.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Harrisburg Foundry and Machine Works, Harrisburg, Pa.
Hetherington & Berner, Indianapolis, Ind.
Hill Clutch Co., Cleveland, Ohio.

Machinists—Cont.

Hooven, Owens, Rentschler Co., Hamilton, Ohio.
Hunt & Dorman Mfg. Co., Cleveland, O.
Otto Konigslow Mfg. Co., Cleveland, Ohio.
Jones & Kuhlke, Akron, Ohio.
Chas. Leffler & Co., Brooklyn, N. Y.
Link-Belt Co., Chicago, Ill.
Love Bros., Inc., Aurora, Ill.
Duncan Mackenzie's Sons Co., Trenton, N. J.
Edward Maher's Sons, Newark, N. J.
Meese & Gottfried Co., San Francisco, Cal.
Meisel Press Mfg. Co., Boston, Mass.
Mesta Machine Co., Pittsburgh, Pa.
Thomas Mills & Bro., Inc., Philadelphia, Pa.
John Mohr & Sons, Chicago, Ill.
I. P. Morris Co., Philadelphia, Pa.
National Twist Drill and Tool Co., Detroit, Mich.
Nestor Mfg. Co., New York.
Nilson-Miller Co., Hoboken, N. J.
Frederick Osann Co., New York.
Pennsylvania Engineering Works, New Castle, Pa.
Poughkeepsie Foundry and Machine Co., Poughkeepsie, N. Y.
Reed-Prentice Co., Worcester, Mass.
James Rees & Sons Co., Pittsburgh, Pa.
Rowbottom Machine Co., Waterbury, Conn.
Russel Wheel and Foundry Co., Detroit, Mich.
Stenotype Co., Indianapolis, Ind.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
Taylor & Fenn Co., Hartford, Conn.
Trump Bros. Machine Co., Wilmington, Del.
Union Iron Works of Los Angeles, Los Angeles, Cal.
Union Tool Co., Los Angeles, Cal.
United Engineering and Foundry Co., Pittsburgh, Pa.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.
Universal Winding Co., Boston, Mass.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Vilter Mfg. Co., Milwaukee, Wis.
Warren Foundry and Machine Co., New York.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Watts-Campbell Co., Newark, N. J.
Wheeling Mold and Foundry Co., Wheeling, W. Va.
Willsea Works, Rochester, N. Y.

Mackintoshes.

(See Coats, Rain.)

Magazines, Powder.

Littleford Bros., Cincinnati, Ohio.

Magnesia Products.

Albany Chemical Co., Albany, N. Y.
Philip Carey Mfg. Co., Lockland, Ohio.
General Chemical Co., New York.
General Magnesite and Magnesia Co., Philadelphia, Pa.
H. W. Johns-Manville Co., New York.
Keasbey & Mattison Co., Ambler, Pa.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Magnesite.
General Magnesite and Magnesia Co., Philadelphia, Pa.
Hammill & Gillespie, New York.

Magnesium Salicylate.
Hayden Chemical Works, New York.
Merck & Co., New York.

Magnet Wire.
(See Wire, Magnet.)

Magnetos.
Bosch Magneto Co., New York.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Splitdorf Electrical Co., Newark, N. J.

Mail Bags.
John Boyle & Co., Inc., New York.
Wm. E. Hooper & Sons Co., Baltimore, Md.

Mail Boxes.
(See Letter Boxes.)

Mallets.
Piqua Handle and Mfg. Co., Piqua, Ohio.
Sargent & Co., New York.
John Sommer Faucet Co., Newark, N. J.
Stanley Rule and Level Co., New Britain, Conn.

Mallets, Rawhide.
Holbrook Raw Hide Co., Providence, R. I.

Mallets, Rubber.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.

Malt.
Columbia Malting Co., South Chicago, Ill.
John Kam Malting Co., Buffalo, N. Y.
Kansas City Breweries Co., Kansas City, Mo.
Manitowoc Malting Co., Manitowoc, Wis.
Massachusetts Breweries Co., Boston, Mass.
Pabst Brewing Co., Milwaukee, Wis.
William Rahr Sons' Co., Manitowoc, Wis.

Malt Extract.
Malt-Diastase Co., New York.
Parke, Davis & Co., Detroit, Mich.

Malt Tonic.
Anheuser-Busch Brewing Association, St. Louis, Mo.
P. Ballantine & Sons, Newark, N. J.
Joseph Schlitz Brewing Co., Milwaukee, Wis.

Mandrels.
Cleveland Twist Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.

Manganese.
John C. Wiarda & Co., Brooklyn, N. Y.

Manganese Copper.
(See Copper, Manganese.)

Mangles, Hand and Power.
American Laundry Machinery Co., Cincinnati, Ohio.

Manhole Covers.
Central Foundry Co., New York.
Glasgow Iron Co., Pottstown, Pa.

Manicure Sets.
C. F. Rumpp & Sons, Philadelphia, Pa.

Manifolding Stationery.
Egry Register Co., Dayton, Ohio.

Manifolding Systems.
Egry Register Co., Dayton, Ohio.

Mantels, Marble.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Mantels, Tile.
Samuel H. French & Co., Philadelphia, Pa.

Mantels, Wood.
E. Bailey & Sons, Inc., Patchogue, N. Y.
St. John Wood Working Co., Stamford, Conn.

Mantles, Incandescent Gas.
General Gas Light Co., Kalamazoo, Mich.
Welsbach Co., Gloucester, N. J.

Maps and Charts.
Rand, McNally & Co., Chicago, Ill.

Marble.
Christa Marble Co., Detroit, Mich.
Georgia Marble Co., Tate, Ga.
Grant Marble Co., Milwaukee, Wis.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Marble Dust.
Higginson Mfg. Co., Newburgh, N. Y.

Margarine.
Nucoa Butter Co., Inc., Bayonne, N. J.

Markers, Cattle.
L. A. Sayre Co., Newark, N. J.

Markers, Sign.
Fulton Specialty Co., Elizabeth, N. J.

Massage, Apparatus.
(See Machines, Massage.)

Match Manufacturers' Supplies.
American Splint Corp., New York.

Mats and Matting, Cocoa.
Joseph Wild & Co., New York.

Mats and Matting, Rubber.
Acme Rubber Mfg. Co., Trenton, N. J.
Empire Rubber and Tire Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Gutta Percha and Rubber Mfg. Co., New York.
Hamilton Rubber Mfg. Co., Trenton, N. J.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Quaker City Rubber Co., Philadelphia, Pa.
United States Rubber Export Co., Ltd., New York.

Mats, Steel.
Cary Mfg. Co., Brooklyn, N. Y.

Mattocks.

Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
Klein-Logan Co., Pittsburgh, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Mattress Shoddy (Filling).

Louisville Pillow Co., Louisville, Ky.

Mattresses, Cotton, Felt, Wool, Etc.

Frank A. Hall & Sons. New York.
Louisville Pillow Co., Louisville, Ky.
Stearns & Foster Co., Cincinnati, Ohio.

Mattresses, Wire.

Bernstein Mfg. Co., Philadelphia, Pa.
Frank A. Hall & Sons, New York.
Newark Spring Mattress Co., Newark, N. J.
Simmons Co., Kenosha, Wis.
Whitcomb Metallic Bedstead Co., Derby, Conn.

Meal, Cotton Seed.

Southern Cotton Oil Co., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Meal, Linseed.

American Linseed Co., New York.
William Goodrich & Co., Milwaukee, Wis.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Meats, Canned.

Cudahy Packing Co., Chicago, Ill.
Curtice Bros. Co., Rochester, N. Y.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Morris & Co., Chicago, Ill.
Swift & Co., Chicago, Ill.
Wilson & Co., Chicago Ill.

Medicines, Proprietary:

Bristol-Myers Co., Brooklyn, N. Y.
Chattanooga Medicine Co., Chattanooga, Tenn.
Hall & Ruc .. New York.
Dr. Kilmer & Co., Binghamton, N. Y.
Dr. Miles Medical Co., Elkhart, Ind.
Charles H. Philiips Chemical Co., New York.
Martin H. Smith Co., New York.
United Drug Co., Boston, Mass.

Mercerizers.

Aspinook Co., Jewett City, Conn.
Bellman Brook Bleachery Co., Fairview, N. J.
Robert D. Mason Co., Pawtucket, R. I.
Standard Bleachery Co., Carlton, N. J.

Mercurials.

Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Mercury, Nitrate of

Franklin H. Kalbfleish Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Merry-Go-Rounds.

Herschell-Spillman Co., North Tonawanda, N. Y.

Metal, Expanded.

Berger Mfg. Co., Canton, Ohio.
Milwaukee Corrugating Co., Milwaukee, Wis.
Trussed Concrete Steel Co., Youngstown, Ohio.

Metal, Extruded.

American Brass Co., Waterbury, Conn.

Metals, Linotype and Monotype.

Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Francisco, Cal.

Metal, Perforated.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Central Stamping Co., New York.
Jeffrey Mfg. Co., Columbus, Ohio.

Metals, Stereotype.

Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Francisco, Cal.

Metal Work, Architectural.

(See Ironwork, Architectural; also Architectural Sheet Metal Work.)

Metal Work, Ornamental.

Gorham Mfg. Co., New York.
Manhattan Brass Co., New York.
J. L. Mott Iron Works, New York.
W. H. Mullins Co., Salem, Ohio.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Metal Work, Sheet.

(See Sheet and Plate Metal Work.)

Metal Work, Wire.

(See also Screens, Wire; also Wire Cloth and Netting; also Wire Fencing.)

Dow Wire and Iron Works, Louisville, Ky.
Andrew B. Hendryx Co., New Haven, Conn.
Michigan Wire Cloth Co., Detroit, Mich.
Oakville Co., Waterbury, Conn.
Townsend Co., New Brighton, Pa.
Wright Wire Co., Worcester, Mass.

Meters, Air.

American District Steam Co., North Tonawanda, N. Y.
Denver Rock Drill Mfg. Co., Denver, Colo.

Meters, Electrical.

(See Electrical Measuring Instruments.)

Meters, Current (for Stream Gauging).

W. & L. E. Gurley, Troy, N. Y.
Holtzer-Cabot Electric Co., Roxbury, Mass.

Meters, Gas.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Charles H. Dickey & Co., Baltimore, Md.
Equitable Meter Co., Pittsburgh, Pa.
John J. Griffin & Co., Philadelphia, Pa.
Sprague Meter Co., Bridgeport, Conn.
Nathaniel Tufts Meter Co., Boston, Mass.

Meters, Gasoline and Fuel Oil.

Neptune Meter Co., New York.

Meters, Water.

American District Steam Co., North Tonawanda, N. Y.
Harrison Safety Boiler Works, Philadelphia, Pa.
National Meter Co., New York.
Neptune Meter Co., New York.
Worthington Pump and Machinery Corp., New York.

Methyl Salicylate.

Heyden Chemical Works, New York.
Merck & Co., New York.

Microscopes.

Eimer & Amend, New York.

Military Equipments.

Harbison & Gathright, Louisville, Ky.
Henderson-Ames Co., Kalamazoo, Mich.
M. C. Lilley & Co., Columbus, Ohio.

Milk, Condensed.

Bridgeton Condensed Milk Co., Bridgeton, N. J.
Hires Condensed Milk Co., Philadelphia, Pa.
Libby, McNeill & Libby, Chicago, Ill.

Milk, Evaporated.

Bridgeton Condensed Milk Co., Bridgeton, N. J.
Hires Condensed Milk Co., Philadelphia, Pa.
Libby, McNeill & Libby, Chicago, Ill.

Milk Jars, Glass.

(See Jars, Milk, Glass.)

Milk, Malted.

Horlick's Malted Milk Co., Racine, Wis.

Mill Stones.

Chicago Wheel and Mfg. Co., Chicago, Ill.

Mill Supplies, Industrial.

American Multiple Fabric Co., Providence, R. I.
American Vulcanized Fibre Co., Wilmington, Del.
Barnard & Leas Mfg. Co., Moline, Ill.
Bernstein Mfg. Co., Philadelphia, Pa.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Jeffrey Mfg. Co., Columbus, Ohio.
Keasbey & Mattison Co., Ambler, Pa.
Lindsay Wire Weaving Co., Collinwood, O.
Manning, Maxwell & Moore, New York.
W. S. Nott Co., Minneapolis, Minn.
Page Belting Co., Concord, N. H.
A. A. Simonds & Son Co., Dayton, Ohio.
Skinner Chuck Co., New Britain, Conn.
Slocum, Avram & Slocum, Inc., New York.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Thermoid Rubber Co., Trenton, N. J.
W. W. & C. F. Tucker, Hartford, Conn.
Van Dorn & Dutton Co., Cleveland, Ohio.

Mill Supplies, Textile.

American Multiple Fabric Co., Providence, R. I.
American Vulcanized Fibre Co., Wilmington, Del.
Case Bros., Inc., Highland Park, Manchester, Conn.
William Crabb & Co., Newark, N. J.
C. F. Crehore & Son, Boston, Mass.

Mill Supplies, Textile—Cont.

Lowell Paper Tube Corp. Lowell, Mass.
Mechanical Fabric Co., Providence, R. I.
G. M. Parks Co., Fitchburg, Mass.
Joseph T. Pearson, Philadelphia, Pa.
Union Paper Co., New York.
United States Bobbin and Shuttle Co., Providence, R. I.

Millboard, Asbestos.

Philip Carey Mfg. Co., Lockland, Ohio.

Millinery Buckram.

Adams Mfg. Co., New York.

Millinery Goods.

James G. Johnson & Co., New York.

Mills, Boring and Turning.

American Wood Working Machinery Co., Rochester, N. Y.
Baker Bros., Toledo, Ohio.
Baush Machine Tool Co., Springfield, Mass.
Beaman & Smith Co., Providence, R. I.
Colburn Machine Tool Co., Franklin, Pa.
Foote-Burt Co., Cleveland, Ohio.
Edwin Harrington, Son & Co., Philadelphia, Pa.
King Machine Tool Co., Cincinnati, Ohio.
Lucas Machine Tool Co., Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Millers Falls Co., Millers Falls, Mass.
Mitts & Merrill, Saginaw, Mich.
Morse Twist Drill and Machine Co., New Bedford, Mass.
New Britain Machine Co., New Britain, Conn.
Niles-Bement-Pond Co., New York.
Potter & Johnston Machine Co., Pawtucket, R. I.
William Sellers & Co., Inc., Philadelphia, Pa.
James Swan Co., Seymour, Conn.

Mills, Cane.

Birmingham Machine and Foundry Co., Birmingham, Ala.
Farrel Foundry and Machine Co., Ansonia, Conn.
Goldens' Foundry and Machine Co., Columbus, Ga.
Krajewski-Pesant Corp., New York.

Mills, Cider.

S. Freeman & Sons Mfg. Co., Racine, Wis.

Mills, Coffee.

Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Huntley Mfg. Co., Silver Creek, N. Y.
Charles Parker Co., Meriden, Conn.

Mills, Corn and Feed.

Barnard & Leas Mfg. Co., Moline, Ill.
Engelberg Huller Co., Syracuse, N. Y.
Fairbanks, Morse & Co., Chicago, Ill.
A. B. Farquhar & Co., New York.
Huntley Mfg. Co., Silver Creek, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Worthington Pump and Machinery Corp., New York.

Mills, Crushing and Pulverizing.

(See Machinery, Crushing and Pulverizing.)

Mills, Cyanide Gold Extracting.
(See Cyanide Gold Extracting Plants.)

Mills, Drug.
J. H. Day Co., Cincinnati, Ohio.
Eimer & Amend, New York.

Mills, Emery Rock.
Sturtevant Mill Co., Boston, Mass.

Mills, Fanning.
Barnard & Leas Mfg. Co., Moline, Ill.
Cardwell Machine Co., Richmond, Va.
Engelberg Huller Co., Syracuse, N. Y.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Huntley Mfg. Co., Silver Creek, N. Y.

Mills, Flour.
(See Machinery, Flour Mill.)

Mills, Hominy and Tortilla.
Engelberg Huller Co., Syracuse, N. Y.
A. B. Farquhar & Co., New York.

Mills, Paint.
C. O. Bartlett & Snow Co., Cleveland, O.
Sturtevant Mill Co., Boston, Mass.
Williams Patent Crusher and Pulverizer Co., St. Louis, Mo.

Mills, Stamp.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Hendrie & Bolthoff Mfg. and Supply Co., Denver, Colo.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Union Iron Works, Spokane, Wash.
Worthington Pump and Machinery Corp., New York.

Mince Meat
American Preserve Co., Philadelphia, Pa.
Curtice Brothers, Rochester, N. Y.

Mining Supplies.
Boyts, Porter & Co., Connellsville, Pa.
Scranton Forging Co., Scranton, Pa.

Mining Timbers.
(See Lumber, Fir and Spruce.)

Mirror Frames.
H. Lieber Co., Indianapolis, Ind.

Mirror Plates.
Conroy-Prugh Co., Pittsburgh, Pa.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.

Mirrors, Hall.
Conroy-Prugh Co., Pittsburgh, Pa.

Mirrors, Plate Glass.
Conroy-Prugh Co., Pittsburgh, Pa.
Doernbecher Mfg. Co., Portland, Ore.
J. P. Eustis Mfg. Co., Cambridge, Mass.
W. P. Fuller & Co., San Francisco, Cal.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.

Mirrors, Toilet.
Arlington Co., New York.
Conroy-Prugh Co., Pittsburgh, Pa.
Fiberloid Co., Indian Orchard, Mass.
Florence Mfg. Co., Florence, Mass.
H. B. Hardenburg & Co., Brooklyn, N. Y.

Mirrors, Toilet—Cont.
S. Langsdorf & Co., New York.
Bernard Rice's Sons, New York.
William Schimper & Co., Hoboken, N. J.
Webster Co., North Attleboro, Mass.

Mittens, Leather.
Richard Evans & Sons, Johnstown, N. Y.
Graton & Knight Mfg. Co., Worcester, Mass.
O. C. Hansen Mfg. Co., Milwaukee, Wis.
Helmholtz Mitten Co., Cudahy, Wis.

Mittens, Woolen, Etc.
(See Gloves and Mittens, Woolen, etc.)

Mixers, Chemical.
Read Machinery Co., Inc., York, Pa.
Sowers Mfg. Co., Buffalo, N. Y.
Werner & Pfleiderer, Saginaw, Mich.

Mixers, Concrete.
Blaw Steel Construction Co., Pittsburgh, Pa.
Lansing Co., Lansing, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Molasses.
Milliken & Farwell, New Orleans, La.
Penick & Ford, Ltd., New Orleans, La.
Leonce M. Soniat, Darcyville, La.

Moldings, Metal
Bristol Brass Co., Bristol, Conn.
C. Cowles & Co., New Haven, Conn.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
National Metal Molding Co., Pittsburgh, Pa.

Moldings, Picture Frame.
H. Lieber Co., Indianapolis, Ind.
Reuhl Molding Mfg. Co., Cincinnati, Ohio.
F. Zimmerman Co., Cleveland, Ohio.

Moldings, Wood.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Sons, Brooklyn, N. Y.
A. C. Cheney Piano Action Co., Castleton-on-Hudson, N. Y.
Curtis Lumber and Millwork Co., Clinton, Iowa.
Curtis Sash and Door Co., Sioux City, Iowa.
Curtis, Towle & Paine Co., Lincoln, Neb.
Otto Duker & Co., Baltimore, Md.
M. B. Farrin Lumber Co., Cincinnati, O.
M. J. Gibbud Co , Inc., New Haven, Conn.
Hammond Lumber Co., San Francisco, Cal.
Huttig Sash and Door Co., St. Louis, Mo.
Johnson Bros., Brooklyn, N. Y.
H. Lieber Co., Indianapolis, Ind.
Robert Mitchell Furniture Co., Cincinnati, Ohio.
A. Roberson & Son, Binghamton, N. Y.
Saginaw & Manistee Lumber Co., Williams, Ariz.
St. John Wood Working Co., Stamford, Conn.
Scott-Graff Lumber Co., Duluth, Minn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.

Molds, Cigar.
Miller, DuBrul & Peters Mfg. Co., Cincinnati, Ohio.

Molds, Cylinder.
Cheney Bigelow Wire Works, Springfield, Mass.

Molds, Rubber.
Jones & Kuhlke, Akron, Ohio.

Molds, Rubber Tire.
Jones & Kuhlke, Akron, Ohio.

Molybdenum Metal.
Merck & Co., New York.
Primos Chemical Co., Primos, Pa.

"Monel" Metal.
Driver-Harris Wire Co., Harrison, N. J.

Monorail Systems.
Manning, Maxwell & Moore, Inc., New York.

Monuments, Bronze.
Gorham Mfg. Co., New York.

Monuments, Marble.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Mop Yarns.
Louisville Cotton Mills Co., Louisville, Ky.

Mordants.
(See Dyeing Materials.)

Morphine.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Mortar Boxes, Steel.
W. J. Clark Co., Salem, Ohio.

Mortisers, Wood.
(See Machinery, Wood Working.)

Mosaics.
American Encaustic Tiling Co., Ltd., New York.

Motometers.
Moto-Meter Co., Inc., Long Island City, N. Y.

Motor Parts.
Corbin Screw Corp., New Britain, Conn.
Damascus Bronze Co., Pittsburgh, Pa.
Detroit Screw Works, Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Van Dorn & Dutton Co., Cleveland, Ohio.

Motor Wheels.
A. O. Smith Co., Milwaukee, Wis.

Motorcycle Parts.
Hendee Mfg. Co., Springfield, Mass.
Standard Co., Torrington, Conn.
Standard Welding Co., Cleveland, Ohio.
Westfield Mfg. Co., Westfield, Mass.
Wheeler-Schebler Carburetor Co., Indianapolis, Ind.

Motorcycles.
Davis Sewing Machine Co., Dayton, Ohio.
Hendee Mfg. Co., Springfield, Mass.
Westfield Mfg. Co., Westfield, Mass.

Motors, Aeroplane.
Continental Motors Corp., Detroit, Mich.
B. F. Sturtevant Co., Boston, Mass.

Motors, Air.
(See Windmills.)

Motors, Bicycle.
A. O. Smith Co., Milwaukee, Wis.

Motors, Electric.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Blower Co., Detroit, Mich.
Electric Specialty Co., Stamford, Conn.
Fairbanks, Morse & Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Jantz & Leist Electric Co., New York.
Lincoln Electric Co., Cleveland, Ohio.
Manhattan Electrical Supply Co., New York.
Robbins & Myers Co., Springfield, Ohio.
Sprague Electric Works of General Electric Co., New York.
B. F. Sturtevant Co., Boston, Mass.
Triumph Electric Co., Cincinnati, Ohio.
Wagner Electric Mfg. Co., St. Louis, Mo.

Motors, Gasoline and Automobile.
(See Engines, Gas and Gasoline.)

Motors, Phonograph.
D. S. Plumb, Newark, N. J.

Motors, Spring.
D. S. Plumb, Newark, N. J.

Motors, Water.
Worthington Pump and Machinery Corp., New York.

Movements, Gauge and Meter.
D. S. Plumb, Newark, N. J.

Moving Picture Apparatus.
Globe Machine and Stamping Co., Cleveland, Ohio.
Nicholas Power Co., New York.
Slocum, Avram & Slocum, Inc., New York.

Mowers.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Mowers, Lawn.
Philadelphia Lawn Mower Co., Philadelphia, Pa.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Mowers, Lawn, Motor Driven.
Austin Mfg. Co., Chicago, Ill.
Philadelphia Lawn Mower Co., Philadelphia, Pa.

Mucilage and Paste.
Arabol Mfg. Co., New York.
Carter's Ink Co., Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
Kroma Color Co., Sandusky, Ohio.
S. S. Stafford, Inc., New York.

Mufflers, Silk.
Kattermann & Mitchell Co., Paterson, N. J.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.

Multigraphs.
American Multigraph Sales Co., Cleveland, Ohio.

Museum Cases.
Snead & Co. Iron Works, Jersey City, N. J.

Music Boxes.
Regina Co., Rahway, N. J.

Music Carriers.
C. F. Rumpp & Sons, Philadelphia, Pa.

Music Publishers.
John Church Co., Cincinnati, Ohio.
J. W. York & Sons, Grand Rapids, Mich.

Musical Instruments.
(See Instruments, Musical.)

Mustard.
A. Colburn Co., Philadelphia, Pa.
E. R. Durkee & Co., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Jones Brothers Tea Co., Brooklyn, N. Y.
Stickney & Poor Spice Co., Boston, Mass.

Nail Files.
Havell Mfg. Co., Newark, N. J.
Nicholson File Co., Providence, R. I.

Nails and Tacks, Brass.
American Ring Co.,Waterbury, Conn.
John Hassall, Inc., Brooklyn, N. Y.
Mattatuck Mfg. Co., Waterbury, Conn.
Rome Brass and Copper Co., Rome, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

Nails and Tacks, Copper.
Crandal, Stone & Co., Binghamton, N. Y.
John Hassall, Inc., Brooklyn, N. Y.
Rome Brass and Copper Co. Rome, N. Y.
Turner & Seymour Mfg. Co. Torrington, Conn.

Nails, Cement Coated.
Colorado Fuel and Iron Co., Denver, Colo.
Pittsburgh Steel Co., Pittsburgh, Pa.

Nails, Cut.
Belfont Iron Works Co., Ironton, Ohio.
La Belle Iron Works, Steubenville, Ohio.

Nails, Horseshoe.
Capewell Horse Nail Co., Hartford, Conn.

Nails, Wire.
Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Corbin Screw Corp., New Britain, Conn.
Gulf States Steel Co., Birmingham, Ala.
John Hassall, Inc., Brooklyn, N. Y.
Igoe Brothers, Newark, N. J.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Napththa.
Atlantic Refining Co., Philadelphia, Pa.
Barrett Co., New York.
Merck & Co., New York.
Tide Water Oil Co., New York.
Union Oil Co. of Cal., Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
United Gas Improvement Co., Philadelphia, Pa.
Valvoline Oil Co., New York.
Woodward Iron Co., Woodward, Ala.
Zenith Furnace Co., West Duluth, Minn.

Naphthaline.
Barrett Co., New York.
Merck & Co., New York.
United Gas Improvement Co., Philadelphia, Pa.

Napkins, Paper.
John Hoberg Co., Green Bay, Wis.
Northern Paper Mills, Green Bay, Wis.

Neck-Yokes.
Von Behren Mfg. Co., Evansville, Ind.

Neckties.
Berliner, Strauss & Meyer, New York.
Hewes & Potter, Boston, Mass.
Hope Webbing Co., Providence, R. I.
Lynn Ornament Co., Lynn, Mass.

Neckwear, Women's.
Ch. Bassell, New York.
Timothy F. Crowley, Inc., New York.
Engel & Kraus, New York.
Levi, Simson & Co., New York.
Samstag & Hilder Bros., New York.

Needles, Knitting Machine.
Excelsior Needle Co., Torrington, Conn.
Fred J. Potter & Co., New Brunswick, N. J.

Needles, Sewing Machine.
Excelsior Needle Co., Torrington, Conn.
New Home Sewing Machine Co., Orange, Mass.

Nets, Cotton.
Adams Mfg. Co., New York.
Hamilton Trading Co., Inc., New York.

Nets, Curtain.
Patchogue Mfg. Co., New York.

Nets, Dress.
American Bobbinet Co., Newburgh, N. Y.
John Bromley & Sons, Inc., Philadelphia, Pa.
Hall Lace Co., Jersey City, N. J.
Louis Hamburger & Co., New York.
Hamilton Trading Co., Inc., New York.
Julius Kayser & Co., New York.
E. & Z. Van Raalte, Inc., New York.

Nets, Hat.
Adams Mfg. Co., New York.

Nettings, Mosquito.
Adams Mfg. Co., New York.
Griswoldville Mfg. Co., New York.
Michigan Wire Cloth Co., Detroit, Mich.
I. E. Palmer Co., Middletown, Conn.

Netting, Wire.
(See Wire Cloth and Netting.)

"Nichrome."
Driver-Harris Wire Co., Harrison, N. J.

Nickel Alloys.
(See Alloys, Nickel.)

Nickel, Rod Sheet and Strip.
Driver-Harris Wire Co., Harrison, N. J.
Seymour Mfg. Co., Seymour, Conn.

Nickel-Silver.
W. S. Hough, Jr., Co., Providence, R. I.

Nickel-Silver Goods.
Ontario Silver Co., Muncie, Ind.
Bernard Rice's Sons, New York.
Simeon L. & George H. Rogers Co., Hartford, Conn.

Night Robes.
M. Martin & Co., New York.
Millen, Aikenhead Co., Inc., New York.
Ernest Simons Mfg. Co., Port Chester, N. Y.
United Shirt and Collar Co., Troy, N. Y.

Nippers.
William Schollhorn Co., New Haven, Conn.

Nitre Cake.
General Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.

Nitrocellulose.
Maas & Waldstein Co., New York.
Richards & Co., Inc., New York.

Nolls.
Howland Croft, Sons & Co., Camden, N. J.

Noodles.
Freihofer Baking Co., Philadelphia, Pa.
A. Goodman & Sons, Inc., New York.
Hotaling-Warner Co., Syracuse, N. Y.
Larkin Co., Buffalo, N. Y.

Novelties, Advertising.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
H. D. Beach Co., Coshocton, Ohio.
Brown & Bigelow, St. Paul, Minn.
Chicago Wheel and Mfg. Co., Chicago, Ill.
H. B. Hardenburg & Co., New York.
Henderson Lithographing Co., Cincinnati, Ohio.
Kemper-Thomas Co., Cincinnati, Ohio.
Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.
J. E. Mergott Co., Newark, N. J.
Elwood Myers Co., Springfield, Ohio.
Nevins-Church Press, New York.
William Schimper & Co., Hoboken, N. J.
Schmidt Lithograph Co., San Francisco, Cal.
Tablet and Ticket Co., Chicago, Ill.
Troy Carriage Sunshade Co., Troy, Ohio.
United States Playing Card Co., Cincinnati, Ohio.

Novelties, Aluminum.
Wheeling Stamping Co., Wheeling, W. Va.

Novelties, Celluloid.
Arlington Co., New York.
Brown & Bigelow, St. Paul, Minn.
Fiberloid Co., Indian Orchard, Mass.
S. Langsdorf & Co., New York.

Novelties, Electric.
Interstate Electric Novelty Co., Brooklyn, N. Y.

Novelties, Glass.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co., Inc., Newark, Ohio.
Rodefer Glass Co., Bellaire, Ohio.
Seneca Glass Co., Morgantown, W. Va.

Novelties, Gold and Platinum.
Carter, Gough & Co., Newark, N. J.
Long & Koch Co., Newark, N. J.
Frank T. May Co., New York.
B. M. Shanley, Jr., Co., Newark, N. J.

Novelties, Jewelry.
Bassett Jewelry Co., Providence, R. I.
Ernst Gideon Bek Mfg. Co., Newark, N. J.
Durand & Co., Newark, N. J.
Theodore W. Foster & Bro. Co., Providence, R. I.
Jung & Klitz, New York.
Krementz & Co., Newark, N. J.
John T. Mauran Mfg. Co., Providence, R.I.
B. M. Shanley, Jr., Co., Newark, N. J.
R. F. Simmons Co., Attleboro, Mass.
Waite, Thresher Co., Providence, R. I.
Wightman & Hough Co., Providence, R. I.

Novelties, Leather.
H. D. Beach Co., Coshocton, Ohio.
H. B. Hardenburg & Co., Brooklyn, N. Y.
Kemper-Thomas Co., Cincinnati, Ohio.
S. Langsdorf & Co., New York.
Elwood Myers Co., Springfield, Ohio.
C. F. Rumpp & Sons, Philadelphia, Pa.
Samstag & Hilder Bros., New York.
Emil Weisbrod & Sons, Inc., Greenfield, Mass.

Novelties, Metal.
Alexander & Littlefield Co., New York.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Autoyre Co., Oakville, Conn.
H. D. Beach Co., Coshocton, O.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co., Bridgeport, Conn.
Brown & Bigelow, St. Paul, Minn.
Consolidated Safety Pin Co., Bloomfield, N. J.
H. C. Cook Co., Ansonia, Conn.
Gaynor Mfg. Co., Bridgeport, Conn.
Gilchrist Co., Newark, N. J.
Aug. Goertz & Co., Newark, N. J.
Havell Mfg. Co., Newark, N. J.
H. L. Judd Co., New York.
Mattatuck Mfg. Co., Waterbury, Conn.
J. E. Mergott Co., Newark, N. J.
Oakville Co., Waterbury, Conn.
Riker Co., Newark, N. J.
William Schimper & Co., Hoboken, N. J.
A. Schoenhut Co., Philadelphia, Pa.
Wheeling Stamping Co., Wheeling, W. Va.
Simon Zinn, Inc., New York.

Novelties, Paper.
Henderson Lithographing Co., Cincinnati, O.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Tablet and Ticket Co., Chicago, Ill.
Walcutt Brothers Co., New York.

Novelties, Rubber.

American Hard Rubber Co., New York.
B. F. Goodrich Co., Akron, Ohio.
New York Rubber Co., Inc., New York.
Parker, Stearns & Co., Brooklyn, N. Y.

Novelties, Silver.

Theodore W. Foster & Bro. Co., Providence, R. I.
Irons & Russell Co., Providence, R. I.
B. M. Shanley, Jr., Co., Newark, N. J.
R. Wallace & Son's Mfg. Co., Wallingford, Conn.
Webster Co., North Attleboro, Mass.
Weidlich Bros. Mfg. Co., Bridgeport, Conn.

Novelties, Silver Plated.

Bernard Rice's Sons, New York.
Weidlich Bros. Mfg. Co., Bridgeport, Conn.

Novelties, Wire.

Autoyre Co., Oakville, Conn.
Wire Novelty Mfg. Co., West Haven, Conn.

Novelties, Wood.

A. Schoenhut Co., Philadelphia, Pa.
F. M. West Box Co., Springfield, Mass.

Nuts, Edible.

G. A. Duerler Mfg. Co., San Antonio, Tex.

Nuts, Iron and Steel.

(See Bolts and Nuts.)

Oakum.

W. O. Davey & Sons, Jersey City, N. J.
Hooven & Allison Co., Xenia, Ohio.
George Stratford Oakum Co., Jersey City, N. J.
Wall Rope Works, Inc., New York.
N. B. Woolford Oakum Co., Inc., Baltimore, Md.

Oatmeal.

Albers Brothers Milling Co., Portland, Ore.

Office Supplies.

(See Stationery, also Stationers' Hardware, etc.)

Oil, Aniline.

Bull's Ferry Chemical Co., New York.
Geisenheimer & Co., New York.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Oil, Automobile.

Indian Refining Co., New York.
Paragon Refining Co., Toledo, Ohio.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.

Oil (and Grease), Axle.

Atlantic Refining Co., Philadelphia, Pa.
Darling & Co., Chicago, Ill.
Fiske Brothers Refining Co., New York.
Ilsley, Doubleday & Co., New York.
Indian Refining Co., New York.
Frank Miller Co., New York.
New York and New Jersey Lubricant Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
Whittier-Coburn Co., San Francisco, Cal.

Oil Cabinets, Self-Measuring.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.

Oil Cake, Corn.

Corn Products Refining Co., New York.

Oil Cake, Linseed.

American Linseed Co., New York.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Oil Cans and Tanks.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Peter Gray & Sons, Inc., Cambridge, Mass.

Oil, Castor.

Baker Castor Oil Co., New York.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Oil, Corn.

American Hominy Co., Indianapolis, Ind.
Corn Products Refining Co., New York.
Douglas Co., Cedar Rapids, Iowa.
Woolner Distilling Co., Peoria, Ill.

Oil, Cotton Seed.

Proctor & Gamble Co., Cincinnati, Ohio.
Southern Cotton Oil Co., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Oil, Creosote.

Lackawanna Chemical Co., Olean, N. Y.
Merck & Co., New York.
Pensacola Tar and Turpentine Co., Gull Point, Fla.

Oil, Crude.

General Petroleum Corp., Los Angeles, Cal.

Oil Cups.

American Injector Co., Detroit, Mich.
Buckeye Iron and Brass Works, Dayton, Ohio.
Detroit Lubricator Co., Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Nathan Mfg. Co., New York.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
W. W. & C. F. Tucker, Hartford, Conn.
D. T. Williams Valve Co., Cincinnati, O.
Winkley Co., Detroit, Mich.

Oil, Cutting.

Jacob Dold Packing Co., Buffalo, N. Y.
Fiske Brothers Refining Co., New York.
Moore Oil Co., Cleveland, Ohio.

Oil, Diesel Engine.

General Petroleum Corp., Los Angeles, Cal.
Union Oil Co. of California, Los Angeles, Cal.

Oils, Essential.

Dodge & Olcott Co., New York.
Van Dyk & Co., Inc., New York.

Oil, Fish.

G. S. Alexander & Co., Inc., New York

Oils, Foundry.

Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Oil, Fuel.

Atlantic Refining Co., Philadelphia, Pa.
General Petroleum Corp., Los Angeles, Cal.
Indian Refining Co., New York.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.

Oil, Fusel.

Albany Chemical Co., Albany, N. Y.
Merck & Co., New York.
R. E. Wathen & Co., Louisville, Ky.
Woolner Distilling Co., Peoria, Ill.

Oil, Harness.

Ilsley, Doubleday & Co., New York.
Indian Refining Co., New York.
Frank Miller Co., New York.

Oil, Hoof.

Union Oil Co. of California, Los Angeles, Cal.

Oil, Illuminating.

Indian Refining Co., New York.
Paragon Refining Co., Toledo, Ohio.
Standard Oil Co. of New York, New York.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.

Oil, Lard.

Jacob Dold Packing Co., Buffalo, N. Y.
Kingan & Co., Ltd., Indianapolis, Ind.
Morris & Co., Chicago, Ill.
Swift & Co., Chicago, Ill.

Oil, Linseed.

American Linseed Co., New York.
George W. Blabon Co., Philadelphia, Pa.
William Goodrich & Co., Milwaukee, Wis.
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.

Oil, Lubricating.

Atlantic Refining Co., Philadelphia, Pa.
Dearborn Chemical Co., Chicago, Ill.
Fiske Brothers Refining Co., New York.
W. P. Fuller & Co., San Francisco, Cal.
Ilsley, Doubleday & Co., New York.
Indian Refining Co., New York.
Jones Brothers Tea Co., Brooklyn, N. Y.
Moore Oil Co., Cleveland, Ohio.
New York and New Jersey Lubricant Co., New York.
Paragon Refining Co., Toledo, Ohio.
William Peterman, Inc., New York.
Three in One Oil Co., New York.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
Valvoline Oil Co., New York.
Montgomery Ward & Co., Chicago, Ill.
F. S. Webster Co., Boston, Mass.
Whittier-Coburn Co., San Francisco, Cal.

Oil, Neatsfoot.

Darling & Co., Chicago, Ill.
Swift & Co., Chicago, Ill.

Oil, Oleo.

Consolidated Rendering Co., Boston, Mass.
Kingan & Co., Ltd., Indianapolis, Ind.
Morris & Co., Chicago, Ill.
Pittsburgh Melting Co., Pittsburgh, Pa.
Swift & Co., Chicago, Ill.
Wilson & Co., Chicago, Ill.

Oil, Paint.

National Railway Appliance Co., New York.

Oil, Pine.

Pensacola Tar and Turpentine Co., Gull Point, Fla.

Oil, Red.

Harkness & Cowing Co., Cincinnati, Ohio.
Paragon Refining Co., Toledo, Ohio.
M. Werk Co., St. Bernard, Cincinnati, O.
Will & Baumer Co., Inc., Syracuse, N. Y.

Oil Refinery Apparatus.

Oil Well Supply Co., Pittsburgh, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Oil, Salad and Cooking.

American Cotton Oil Co., New York.
Southern Cotton Oil Co., New York.

Oil, Soluble.

Fiske Brothers Refining Co., New York.
Moore Oil Co., Cleveland, Ohio.

Oil Stones.

Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Norton Co., Worcester, Mass.

Oil, Tanners'.

Union Oil Co. of California, Los Angeles, Cal.

Oil Testing Instruments.

Eimer & Amend, New York.
C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.

Oil, Turkey Red.

Arabol Mfg. Co., New York.
Bull's Ferry Chemical Co., Edgewater, N. J.
Maas & Waldstein Co., New York.

Oils, Vegetable.

Moore Oil Co., Cleveland, Ohio.
Oil Seeds Co., New York.

Oil Well Apparatus.

Axelson Machine Co., Los Angeles, Cal.
Baker Iron Works, Los Angeles, Cal.
A. M. Byers Co., Pittsburgh, Pa.
A. D. Cook, Lawrenceburg, Ind.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
B. F. Goodrich Co., Akron, Ohio.
Jarecki Mfg. Co., Erie, Pa.
Keystone Driller Co., Beaver Falls, Pa.
Lucey Mfg. Co., New York.
Monongahela Tube Co., Pittsburgh, Pa.
Oil Well Supply Co., Pittsburgh, Pa.
Spang, Chalfant & Co., Inc., Pittsburgh, Pa.
Star Drilling Machine Co., Akron, Ohio.

Oil, Wood.

(See Creosote.)

Oilcloth, Automobile and Carriage.

Cook's Linoleum Co., Trenton, N. J.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Standard Oil Cloth Co., New York.
Taunton Oil Cloth Co., Taunton, Mass.

Oilcloth, Floor and Table.

George W. Blabon Co., Philadelphia, Pa.
Cook's Linoleum Co., Trenton, N. J.
T. R. Goodlatte & Sons, New York.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Standard Oil Cloth Co., New York.
Taunton Oil Cloth Co., Taunton, Mass.

Oilers, Machine.

Detroit Lubricator Co., Detroit, Mich.
Lunkenheimer Co., Cincinnati, Ohio.
Nathan Mfg. Co., New York.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
William Vogel & Bros., Inc., Brooklyn, N. Y.
P. Wall Mfg. Supply Co., Pittsburgh, Pa.

Oleum.

Contact Process Co., Buffalo, N. Y.
Grasselli Chemical Co., Cleveland, Ohio.
Merck & Co., New York.

Omnibuses, Automobile.

White Co., Cleveland, Ohio.

Openers, Bottle.

Autoyre Co., Oakville, Conn.

Openers, Can.

N. R. Streeter & Co., Rochester, N. Y.
Traut & Hine Mfg. Co., New Britain, Conn.

Optical Goods.

Charles Nobs & Son, Newark, N. J.
Rueff Brothers, New York.
Wollensak Optical Co., Rochester, N. Y.

Orchard Heaters.

American Can Co., New York.

Orchestrions.

Æolian Co., New York.
Rudolph Wurlitzer Co., Cincinnati, Ohio.

Ordnance.

Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.

Organs.

Æolian Co., New York.
Austin Organ Co., Hartford, Conn.
Beckwith Organ Co., Inc., Louisville, Ky.
Estey Organ Co., Brattleboro, Vt.
W. W. Kimball Co., Chicago, Ill.
Packard Piano Co., Fort Wayne, Ind.

Ornaments, Shoe.

Lynn Ornament Co., Lynn, Mass.

Ornaments, Transfer.

(See Decalcomania.)

Ovens, Oil Stove.

American Stove Co., St. Louis, Mo.
Duluth Corrugating and Roofing Co., Duluth, Minn.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.

Ovens, Portable.

American Stove Co., St. Louis, Mo.
William M. Crane Co., New York.
Duluth Corrugating and Roofing Co., Duluth, Minn.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Silvers & Co., Inc., Brooklyn, N. Y.

Ovens, Steam Pipe.

Werner & Pfleiderer, Saginaw, Mich.

Overalls.

Crown Overall Mfg. Co., Cincinnati, Ohio.
F. A. Patrick & Co., Duluth, Minn.
Reliance Mfg. Co., Chicago, Ill.
Rice-Stix Dry Goods Co., St. Louis, Mo.
Wheeler & Motter Mercantile Co., St. Joseph, Mo.
Wise Brothers, Inc., Baltimore, Md.
Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah.

Overcoatings.

Dunn Worsted Mills, Woonsocket, R. I.
Peace Dale Mfg. Co., Peace Dale, R. I.
Worcester Woolen Mill Co., Worcester, Mass.

Oxy-Acetylene Welding and Cutting Apparatus.

Davis-Bournonville Co., Jersey City, N. J.
Northern Welding Co., Minneapolis, Minn.
Prest-O-Lite Co., Inc., Indianapolis, Ind.

Oxy-Hydrogen Welding and Cutting Apparatus.

Davis-Bournonville Co., Jersey City, N. J.

Oxygen.

Ohio Chemical and Mfg. Co., Cleveland, Ohio.

Ozonators.

Sprague Electric Works of General Electric Co., New York.

Packers, Floor and Bran.

Huntley Mfg. Co., Silver Creek, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind.

Packing, Asbestos.

Asbestos and Rubber Works of New Jersey, Camden, N. J.
Baltimore Roofing and Asbestos Mfg. Co., Asbestos, Md.
Philip Carey Mfg. Co., Lockland, Ohio.
H. W. Johns-Manville Co., New York.
Johns-Pratt Co., Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
Raybestos Co., Bridgeport, Conn.
Thermoid Rubber Co., Trenton, N. J.

Packing, Felt.

(See Felts, Mechanical.)

Packing, Jute.

Eagle Cordage Mills, Inc., Covington, Ky.
Hooven & Allison Co., Xenia, Ohio.

Packing, Leather.

(See Leather Goods, Mechanical.)

Packing, Rubber.

(See Rubber Goods, Mechanical.)

Packing, Steam.

Home Rubber Co., Trenton, N. J.
Hunt-Spiller Mfg. Co., South Boston, Mass.
Jenkins Brothers, New York.
H. W. Johns-Manville Co., New York.
Johns-Pratt Co., Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
Quaker City Rubber Co., Philadelphia, Pa.
United States Rubber Export Co., Ltd., New York.

Packing, Vulcanized Fiber.

American Vulcanized Fibre Co., Wilmington, Del.

Pads, Harness.

American Pad and Textile Co., Greenfield, Ohio.
Perkins-Campbell Co., Cincinnati, Ohio.

Pads, Rubber Stamp.

Fulton Specialty Co., Elizabeth, N. J.

Pads, Writing and Blotting.

(See Tablets, Paper.)

Pails and Buckets, Galvanized.

Baltimore Stamping and Enameling Co., Baltimore, Md.
W. J. Clark Co., Salem, Ohio.
Witt Cornice Co., Cincinnati, Ohio.

Pails and Buckets, Tin.

Brecht Co., St. Louis, Mo.
Heekin Can Co., Cincinnati, Ohio.
Wheeling Can Co., Wheeling, W. Va.

Pails and Buckets, Wooden.

California Barrel Co., San Francisco, Cal.
Menasha Wooden Ware Co., Menasha, Wis.
E. Murdock & Co., Winchendon, Mass.
Richmond Cedar Works, Richmond, Va.

Pails, Milk.

Stuber & Kuck, Peoria, Ill.

Pails, Paper.

(See also Cans, Paper.)

Sefton Mfg. Co., Chicago, Ill.
F. C. Stettler Mfg. Co., Portland, Ore.

Paint and Varnish Remover.

Adams & Elting Co., Chicago, Ill.
Emil Calman & Co., New York.
Sherwin-Williams Co., Cleveland, Ohio.

Paints, Aluminum.

Bronze Powder Works Co., Elizabeth, N. J.
Gerstendorfer Brothers, New York.
Sherwin-Williams Co., Cleveland, Ohio.

Paints and Colors.

Adams & Elting Co., Chicago, Ill.
Alabastine Co., Grand Rapids, Mich.
Allentown Mfg. Co., Allentown, Pa.
Ault & Wiborg Co., Cincinnati, Ohio.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Certain-teed Products Corp., St. Louis, Mo.
Chicago Varnish Co., Chicago, Ill.
F. W. Devoe & C. T. Raynolds Co., New York.
Eagle-Picher Lead Co., New York.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Samuel H. French & Co., Philadelphia, Pa.

Paints and Colors—Cont.

W. P. Fuller & Co., San Francisco, Cal.
Gerstendorfer Brothers, New York.
Heath & Milligan Mfg. Co., Chicago, Ill.
Heller & Merz Co., New York.
Estate of J. G. Hetzel, Newark, N. J.
Hildreth Varnish Co., New York.
Krebs Pigment and Chemical Co., Newport, Del.
Kroma Color Co., Sandusky, Ohio.
Larkin Co., Buffalo, N. Y.
John Lucas & Co., Inc., Philadelphia, Pa.
McDougall Paint Co., Inc., Buffalo, N. Y.
Marietta Paint and Color Co., Marietta, O.
Benjamin Moore & Co., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
National Railway Appliance Co., New York.
National Roofing Co., Tonawanda, N. Y.
New Haven Gas Light Co., New Haven, Conn.
New Jersey Paint Works, Jersey City, N. J.
Eugene E. Nice, Philadelphia, Pa.
Paraffine Paint Co., San Francisco, Cal.
Patton Paint Co., Milwaukee, Wis.
Peaslee-Gaulbert Co., Louisville, Ky.
Pecora Paint Co., Philadelphia, Pa.
Schoellkopf Aniline and Chemical Works, Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
Standard Varnish Works, New York.
M. B. Suydam Co., Pittsburgh, Pa.
Toch Brothers, New York.
United States Gutta Percha Paint Co., Providence, R. I.
United States Metal and Mfg. Co., New York.
Valentine & Co., New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.
Montgomery Ward & Co., Chicago, Ill.
Whittier-Coburn Co., San Francisco, Cal.
C. A. Willey Co., Long Island City, N. Y.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Paints, Cold Water.

Adams & Elting Co., Chicago, Ill.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Philip Carey Mfg. Co., Lockland, Ohio.
Isley, Doubleday & Co., New York.
John Lucas & Co., Inc., Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Sherwin-Williams Co., Cleveland, Ohio.
M. B. Suydam Co., Pittsburgh, Pa.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Paints, Concrete, Brick and Wood.

Allentown Mfg. Co., Allentown, Pa.
Heath & Milligan Mfg. Co., Chicago, Ill.
Paraffine Paint Co., San Francisco, Cal.
Pecora Paint Co., Philadelphia, Pa.
Benjamin Moore & Co., Brooklyn, N. Y.
National Roofing Co., Tonawanda, N. Y.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Smooth-On Mfg. Co., Jersey City, N. J.
M. B. Suydam Co., Pittsburgh, Pa.
Toch Brothers, New York.
Trussed Concrete Steel Co., Youngstown, Ohio.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Paints, Fireproof.
Sherwin-Williams Co., Cleveland, Ohio.

Paints, Gold.
Bronze Powder Works Co., Elizabeth, N. J.
Gerstendorfer Brothers, New York.
Sherwin-Williams Co., Cleveland, Ohio.

Paints, Graphite.
Allentown Mfg. Co., Allentown, Pa.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Joseph Dixon Crucible Co., Jersey City, N. J.
Heath & Milligan Mfg. Co., Chicago, Ill.
M. B. Suydam Co., Pittsburgh, Pa.

Paints, Insulating.
Edward Smith & Co., Long Island City, N. Y.
Standard Paint Co., New York.
M. B. Suydam Co., Pittsburgh, Pa.

Paints, Marine.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Heath & Milligan Mfg. Co., Chicago, Ill.
John Lucas & Co., Inc., Philadelphia, Pa.
New Jersey Paint Works, Jersey City, N. J.
Eugene E. Nice, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
M. B. Suydam Co., Pittsburgh, Pa.
Wadsworth, Howland & Co., Inc., Boston, Mass.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Paints, Metal.
Allentown Mfg. Co., Allentown, Pa.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Certain-teed Products Corp., St. Louis, Mo.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Heath & Milligan Mfg. Co., Chicago, Ill.
National Roofing Co., Tonawanda, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Pecora Paint Co., Philadelphia, Pa.
Schoellkopf Aniline and Chemical Works, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
M. B. Suydam Co., Pittsburgh, Pa.
Toch Brothers, New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Paints, Roofing.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Philip Carey Mfg. Co., Lockland, Ohio.
Certain-teed Products Corp., St. Louis, Mo.
General Roofing Mfg. Co., St. Louis, Mo.
Estate of J. G. Hetzel, Newark, N. J.
John Lucas & Co., Inc., Philadelphia, Pa.
National Roofing Co., Tonawanda, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Paint Co., New York.
M. B. Suydam Co., Pittsburgh, Pa.
Wadsworth, Howland & Co., Inc., Boston, Mass.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Paints, Silicate.
Sherwin-Williams Co., Cleveland, Ohio.

Pajamas.
O. L. Hinds Co., Burlington, Vt.
Millen, Aikenhead Co., Inc., New York.
Ernest Simons Mfg. Co., Port Chester, N. Y.
United Shirt and Collar Co., Troy, N. Y.

Pamphlet Binders.
Gardiner Binding and Mailing Co., New York.
William Green, New York.

Pans, Bakers'.
Lockwood Mfg. Co., Cincinnati, Ohio.

Pans, Shop and Factory.
W. J. Clark Co., Salem, Ohio.
New Britain Machine Co., New Britain, Conn.

Pans, Steel Fry.
Cleveland Stamping and Tool Co., Cleveland, Ohio.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
New York Stamping Co., Brooklyn, N. Y.

Pans, Vacuum.
E. B. Badger & Sons Co., Boston, Mass.
Birmingham Machine and Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Buffalo Foundry and Machine Co., Buffalo, N. Y.
L. O. Koven & Bro., New York.
Krajewski-Pesant Corp., New York.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Sowers Mfg. Co., Buffalo, N. Y.
Stearns-Rogers Mfg., Denver, Colo.

Pants, Men's and Boys'.
Crown Overall Mfg. Co., Cincinnati, Ohio.
J. Eisner & Co., New York.
C. Kenyon Co., Brooklyn, N. Y.
Lewis Meier & Co., Indianapolis, Ind.
L. Robinson & Co., New York.
Wise Bros., Inc., Baltimore, Md.

Paper, Adding Machine.
Menasha Printing Co., Menasha, Wis.

Paper, Asbestos.
Philip Carey Mfg. Co., Lockland, Ohio.
H. W. Johns-Manville Co., New York.
Keasbey & Mattison Co., Ambler, Pa.

Paper Bags.
(See Bags, Paper.)

Paper, Bible.
Lakeside Paper Co., Neenah, Wis.
Smith Paper Co., Lee, Mass.

Paper, Blotting.
Albemarle Paper Mfg. Co., Richmond, Va.
Eaton-Dikeman Co., Lee, Mass.
Frank Gilbert Paper Co., Waterford, N. Y.
R. L. Greene Paper Co., Providence, R. I.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Joseph Parker & Son Co., New Haven, Conn.
Standard Paper Mfg. Co., Richmond, Va.

Paper Board.
(See Cardboard.)

Paper, Bond.
(See Paper, Linen.)

Paper, Book.
Bergstrom Paper Co., Neenah, Wis.
Bryant Paper Co., Kalamazoo, Mich.
Bulkley, Dunton & Co., New York.
Carter, Rice & Co., Corp., Boston, Mass.
Dill & Collins Co., Philadelphia, Pa.
Everett Pulp and Paper Co., Everett, Wash.
R. L. Greene Paper Co., Providence, R. I.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lakeside Paper Co., Neenah, Wis.
Menasha Printing Co., Menasha, Wis.
Monarch Paper Co., Kalamazoo, Mich.
Strathmore Paper Co., Mittineague, Mass.
West Virginia Pulp and Paper Co., New York.

Paper Boxes.
(See Cartons.)

Paper, Building.
Certain-teed Products Corp., St. Louis, Mo.
Hoboken Paper Mills Co., Hoboken, N. J.
Hollingsworth & Vose Co., Boston, Mass.
H. W. Johns-Manville Co., New York.
Keystone Roofing Mfg. Co., York, Pa.
Paraffine Paint Co., San Francisco, Cal.
Pioneer Paper Co., Inc., Los Angeles, Cal.
Schmidt & Ault Paper Co., York, Pa.
Standard Paint Co., New York.
H. F. Watson Co., Erie, Pa.

Paper, Carbon.
American Writing Machine Co., Inc., New York.
Ault & Wiborg Co., Cincinnati, Ohio.
Carter's Ink Co., Boston, Mass.
Kee Lox Mfg. Co., Rochester, N. Y.
Smith Paper Co., Lee, Mass.
S. S. Stafford, Inc., New York.
F. S. Webster Co., Boston, Mass.

Paper, Carbon-Coating and Manifolding.
Egry Register Co., Dayton, Ohio.
Esleeck Mfg. Co., Turner's Falls, Mass.

Paper, Cartridge.
Everett Pulp and Paper Co., Everett, Wash.

Paper, Cigarette.
Smith Paper Co., Lee, Mass.

Paper, Coated.
Bryant Paper Co., Kalamazoo, Mich.
Bulkley, Dunton & Co., New York.
Dill & Collins Co., Philadelphia, Pa,
Gilbert Paper Co., Menasha, Wis.
R. L. Greene Paper Co., Providence, R. I.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Holyoke Card and Paper Co., Springfield, Mass.
King Paper Co., Kalamazoo, Mich.
Standard Paper Mfg. Co., Richmond, Va.
United Paperboard Co., New York.
West Virginia Pulp and Paper Co., New York.

Paper, Coating.
American Wood Board Co., Schuylerville, N. Y.
Bulkley, Dunton & Co., New York.
Frank Gilbert Paper Co., Waterford, N. Y.
Monarch Paper Co., Kalamazoo, Mich.

Paper, Colored.
Chapin & Gould Paper Co., Springfield, Mass.
Frank Gilbert Paper Co., Waterford, N. Y.
Hammermill Paper Co., Erie, Pa.
Newtown Falls Paper Co., Watertown, N. Y.
Schmidt & Ault Paper Co., York, Pa.

Paper, Copying.
Smith Paper Co., Lee, Mass.

Paper, Corrugated.
Charles Boldt Co., Cincinnati, Ohio.
Fort Wayne Corrugated Paper Co., Fort Wayne, Ind.
Hinde & Dauch Paper Co., Sandusky, O.
George G. Page Box Co., Cambridge, Mass.
Schmidt & Ault Paper Co., York, Pa.
Thompson & Norris Co., Brooklyn, N. Y.

Paper, Cover.
Bergstrom Paper Co., Neenah, Wis.
Carter, Rice & Co. Corp., Boston, Mass.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
Hammermill Paper Co., Erie, Pa.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Holyoke Card and Paper Co., Springfield, Mass.
King Paper Co., Kalamazoo, Mich.
Munroe Felt and Paper Co., Boston, Mass.
Niagara Paper Mills, Lockport, N. Y.
Strathmore Paper Co., Mittineague, Mass.

Paper, Crepe.
Schmidt & Ault Paper Co., York, Pa.

Paper, Drawing.
Dells Paper and Pulp Co., Eau Claire, Wis.
Gilbert Paper Co., Menasha, Wis.
Frank Gilbert Paper Co., Waterford, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Strathmore Paper Co., Mittineague, Mass.

Paper, Embossed.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Holyoke Card and Paper Co., Springfield, Mass.

Paper, Enameled.
Bryant Paper Co., Kalamazoo, Mich.
Bulkley, Dunton & Co., New York.
King Paper Co., Kalamazoo, Mich.

Paper, Envelope.
Bryant Paper Co., Kalamazoo, Mich.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
Dill & Collins Co., Philadelphia, Pa.
Hollingsworth & Vose Co., Boston, Mass.
King Paper Co., Kalamazoo, Mich.
Newton Falls Paper Co., Watertown, N. Y.
West Virginia Pulp and Paper Co., New York.

Paper, Express.

Munroe Felt and Paper Co., Boston, Mass.
Schmidt & Ault Paper Co., York, Pa.
John Strange Paper Co., Menasha, Wis.
Tarentum Paper Mills, Pittsburgh, Pa.

Paper, Fibre.

Charles Boldt Co., Cincinnati, Ohio.
R. L. Greene Paper Co., Providence, R. I.
Schmidt & Ault Paper Co., York, Pa.

Paper, Filter.

Eaton-Dikeman Co., Lee, Mass.

Paper, Folding Box.

John Strange Paper Co., Menasha, Wis.

Paper, Glassine.

Diamond State Fibre Co., Bridgeport, Pa.

Paper, Gummed.

M. D. Knowlton Co., Rochester, N. Y.

Paper Hangings.

M. H. Birge & Sons Co., Buffalo, N. Y.
Dells Paper and Pulp Co., Eau Claire, Wis.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Frank Gilbert Paper Co., Waterford, N. Y.
Imperial-Campbell Wall Paper Cos., Glens Falls, N. Y.
Munroe Felt and Paper Co., Boston, Mass.
Standard Wall Paper Co., Hudson Falls, N. Y.
Walcutt Bros. Co., New York.
York Card and Paper Co., York, Pa.
York Wall Paper Co., York, Pa.

Paper Holders and Cutters, Roll.

J. P. Eustis Mfg. Co., Boston, Mass.

Paper, India.

Smith Paper Co., Lee, Mass.

Paper, Insulating.

Certain-teed Products Co., St. Louis, Mo.
Diamond State Fibre Co., Bridgeport, Pa.
Hollingsworth & Vose Co., Boston, Mass.
Keasbey & Mattison Co., Ambler, Pa.
Keystone Roofing Mfg. Co., York, Pa.
Paraffine Paint Co., San Francisco, Cal.
Pioneer Paper Co., Inc., Los Angeles, Cal.
Standard Paint Co., New York.
Tarentum Paper Mills, Pittsburgh, Pa.
H. F. Watson Co., Erie, Pa.

Paper, Kraft.

Central Paper Co., Muskegon, Mich.
R. L. Greene Paper Co., Providence, R. I.
Munroe Felt and Paper Co., Boston, Mass.
John Strange Paper Co., Menasha, Wis.

Paper, Label.

Everett Pulp and Paper Co., Everett, Wash.
Holyoke Card and Paper Co., Springfield, Mass.
King Paper Co., Kalamazoo, Mich.

Paper, Ledger.

L. L. Brown Paper Co., Adams, Mass.
Chapin & Gould Paper Co., Springfield, Mass.
Gilbert Paper Co., Menasha, Wis.
R. L. Greene Paper Co., Providence, R. I.
Hammermill Paper Co., Erie, Pa.

Paper, Ledger—Cont.

Millers Falls Paper Co., Millers Falls, Mass.
Neenah Paper Co., Neenah, Wis.
Parsons Paper Co., Holyoke, Mass.
Strathmore Paper Co., Mittineague, Mass.

Paper, Linen.

L. L. Brown Paper Co., Adams, Mass.
Bryant Paper Co., Kalamazoo, Mich.
Chapin & Gould Paper Co., Springfield, Mass.
Dill & Collins Co., Philadelphia, Pa.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Esleeck Mfg. Co., Turner's Falls, Mass.
Gilbert Paper Co., Menasha, Wis.
R. L. Green Paper Co., Providence, R. I.
Hammermill Paper Co., Erie, Pa.
Hampshire Paper Co., South Hadley Falls, Mass.
Lakeside Paper Co., Neenah, Wis.
Millers Falls Paper Co., Millers Falls, Mass.
Neenah Paper Co., Neenah, Wis.
Parsons Paper Co., Holyoke, Mass.
Strathmore Paper Co., Mittineague, Mass.

Paper, Lithograph.

Bryant Paper Co., Kalamazoo, Mich.
Dill & Collins Co., Philadelphia, Pa.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Holyoke Card and Paper Co., Springfield, Mass.
King Paper Co., Kalamazoo, Mich.
Monarch Paper Co., Kalamazoo, Mich.
West Virginia Pulp and Paper Co., New York.

Paper, Manila.

Carter, Rice & Co., Corp., Boston, Mass.
Dells Paper and Pulp Co., Eau Claire, Wis.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
R. L. Greene Paper Co., Providence, R. I.
Kimberly-Clark Co., Neenah, Wis.
Lakeside Paper Co., Neenah, Wis.
Munroe Felt and Paper Co., Boston, Mass.

Paper, Map.

Bryant Paper Co., Kalamazoo, Mich.
Dill & Collins Co., Philadelphia, Pa.
King Paper Co., Kalamazoo, Mich.

Paper, Music.

West Virginia Pulp and Paper Co., New York.

Paper, News.

Bulkley, Dunton & Co., New York.
Crown Willamette Paper Co., San Francisco, Cal.
Dells Paper and Pulp Co., Eau Claire, Wis.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Pettebone-Cataract Paper Co., Niagara Falls, N. Y.
Wisconsin River Paper and Pulp Co., Neenah, Wis.

Paper, Onion Skin.

Esleeck Mfg. Co., Turner's Falls, Mass.
R. L. Greene Paper Co., Providence, R. I.
Lakeside Paper Co., Neenah, Wis.

Paper, Parchment.

L. L. Brown Paper Co., Adams, Mass.
Hammerschlag Mfg. Co., New York.
Lakeside Paper Co., Neenah, Wis.

Paper, Pattern.

Hollingsworth & Vose Co., Boston, Mass.
Schmidt & Ault Paper Co., York, Pa.
West Jersey Paper Mfg. Co., Camden, N. J.

Paper, Photographic.

Ansco Co., Binghamton, N. Y.
Defender Photo Supply Co., Rochester, N. Y.
Eastman Kodak Co., Rochester, N. Y.

Paper, Pouncing.

Hollingsworth & Vose Co., Boston, Mass.

Paper, Roofing.

Barrett Co., New York.
Certain-teed Products Corp., St. Louis, Mo.
R. L. Greene Paper Co., Providence, R. I.
Schmidt & Ault Paper Co., York, Pa.
H. F. Watson Co., Erie, Pa.

Paper, Rope.

Hollingsworth & Vose Co., Boston, Mass.
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills, Pittsburgh, Pa.
West Jersey Paper Mfg. Co., Camden, N. J.

Paper, Sand, Garnet, Etc.

(See also Sand and Flint Paper and Cloth.)

Hollingsworth & Vose Co., Boston, Mass.

Paper Specialties.

Chapin & Gould Paper Co., Springfield, Mass.
Dill & Collins Co., Philadelphia, Pa.
Frank Gilbert Paper Co., Waterford, N. Y.
Hoboken Paper Mills Co., Hoboken, N. J.
Hollingsworth & Vose Co., Boston, Mass.
Lakeside Paper Co., Neenah, Wis.
Munroe Felt and Paper Co., Boston, Mass.
Niagara Paper Mills, Lockport, N. Y.
Reyburn Mfg. Co., Philadelphia, Pa.
Schmidt & Ault Paper Co., York, Pa.
Smith Paper Co., Lee, Mass.
John Strange Paper Co., Menasha, Wis.
United States Paper Goods Co., Cincinnati, Ohio.
West Jersey Paper Mfg. Co., Camden, N. J.

Paper Specialties, Corrugated.

Charles Boldt Co., Cincinnati, Ohio.
Thompson & Norris Co., Brooklyn, N. Y.

Paper Specialties, Waterproof.

Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.

Paper, Stereotype Matrix.

Eaton-Dikeman Co., Lee, Mass.
Joseph Parker & Son Co., New Haven, Conn.
Standard Paper Mfg. Co., Richmond, Va.

Paper Stock.

Riverside Mills, Augusta, Ga.

Paper, Tag.

American Wood Board Co., Schuylerville, N. Y.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
R. L. Greene Paper Co., Providence, R. I.
Hollingsworth & Vose Co., Boston, Mass.

Paper, Tissue.

A. P. W. Paper Co., Albany, N. Y.
Continental Paper Bag Co., New York.
Crown Willamette Paper Co., San Francisco, Cal.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
R. L. Greene Paper Co., Providence, R. I.
John Hoberg Co., Green Bay, Wis.
Stevens & Thompson Paper Co., North Hoosick, N. Y.

Paper, Toilet.

A. P. W. Paper Co., Albany, N. Y.
Continental Paper Bag Co., New York.
R. L. Greene Paper Co., Providence, R. I.
John Hoberg Co., Green Bay, Wis.
Northern Paper Mills, Green Bay, Wis.
Scott Paper Co., Philadelphia, Pa.
Stevens & Thompson Paper Co., North Hoosick, N. Y.

Paper, Vegetable Parchment.

Diamond State Fibre Co., Bridgeport, Pa.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.

Paper, Wall.

(See Paper Hangings.)

Paper, Wall, Unprinted.

(See Paper Hangings.)

Paper, Waterproof.

Hampden Glazed Paper and Card Co., Holyoke, Mass.
Holyoke Card and Paper Co., Springfield, Mass.
Keystone Roofing Mfg. Co., York, Pa.
Schmidt & Ault Paper Co., York, Pa.

Paper, Waxed.

Hammerschlag Mfg. Co., New York.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Menasha Printing Co., Menasha, Wis.

Paper, Wrapping.

Carter, Rice & Co. Corp., Boston, Mass.
Continental Paper Bag Co., New York.
Crown Willamette Paper Co., San Francisco, Cal.
Dells Paper and Pulp Co., Eau Claire, Wis.
Detroit Sulphite Pulp and Paper Co., Detroit, Mich.
Dexter Sulphite Pulp and Paper Co., Dexter, N. Y.
Hoboken Paper Mills Co., Hoboken, N. J.
Hollingsworth & Vose Co., Boston, Mass.
Island Paper Co., Menasha, Wis.
Kimberly-Clark Co., Neenah, Wis.
Munroe Felt and Paper Co., Boston, Mass.
Newton Falls Paper Co., Watertown, N. Y.
N. Y.
Niagara Paper Mills, Lockport, N. Y.
Schmidt & Ault Paper Co., York, Pa.
John Strange Paper Co., Menasha, Wis.
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills, Pittsburgh, Pa.

Paper, Writing.

J. C. Blair Co., Huntingdon, Pa.
L. L. Brown Paper Co., Adams, Mass.
Chapin & Gould Paper Co., Springfield, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Dill & Collins Co., Philadelphia, Pa.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Everett Pulp and Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
R .L. Greene Paper Co., Providence, R. I.
Hammermill Paper Co., Erie, Pa.
Hampshire Paper Co., South Hadley Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Riverside Fibre and Paper Co., Appleton, Wis.
Menasha Printing Co., Menasha, Wis.
Strathmore Paper Co., Mittineague, Mass.
West Virginia Pulp and Paper Co., New York.

Papeteries.

Birnie Paper Co., Springfield, Mass.
J. C. Blair Co., Huntingdon, Pa.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Millers Falls Paper Co., Millers Falls, Mass.

Paraffine.

Atlantic Refining Co., Philadelphia, Pa.
Paragon Refining Co., Toledo, Ohio.
Tide Water Oil Co., New York.
Valvoline Oil Co., New York.

Paraform.

Merck & Co., New York.
Roessler & Hasslacher Chemical Co., New York.

Paraformaldehyde.

Heyden Chemical Works, New York.
Merck & Co., New York.

Parasols.

Follmer-Clogg & Co., Lancaster, Pa.

Parers, Fruit and Potato.

(See Corers and Parers, Fruit.)

Parquet Flooring.

(See Flooring, Hardwood.)

Partitions, Steel and Glass.

Dahlstrom Metallic Door Co., Jamestown, N. Y.
David Lupton's Sons Co., Philadelphia, Pa.

Paste, Office and Library.

(See Mucilage and Paste.)

Paste, Stencil.

(See Ink, Marking and Stenciling.)

Patterns, Machinery.

Acme Steel and Malleable Iron Works, Inc., Buffalo, N. Y.
Spanjer Bros., Newark, N. J.

Paving Materials.

Barrett Co., New York.
Booth Bros. and Hurricane Isle Granite Co., New York.
Cleveland Stone Co., Cleveland, Ohio.
Hastings Pavement Co., New York.

Paving Materials—Cont.

Hydraulic Press Brick Co., St. Louis, Mo.
International Creosoting and Construction Co., Galveston, Tex.
Peebles Paving Brick Co., Portsmouth, O.
Rockport Granite Co., Rockport, Mass.

Peanut Butter.

Henry Heide, Inc., New York.
Larkin Co., Buffalo, N. Y.
Montgomery Ward & Co., Chicago, Ill.

Pedestals, Marble.

Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Pegs, Shoe.

John M. Hale-Boardman, Inc., New York.

Pencil Timber.

Red River Lumber Co., Minneapolis, Minn.

Pencils, Lead.

Joseph Dixon Crucible Co., Jersey City, N. J.
Eberhard Faber, Brooklyn, N. Y.

Penholders.

Esterbrook Steel Pen Mfg. Co., Camden, N. J.
Eberhard Faber, Brooklyn, N. Y.

Pens, Fountain.

Conklin Pen Mfg. Co., Toledo, Ohio.
S. S. Stafford, Inc., New York.

Pens, Ruling, Paper Rulers'.

W. O. Hickok Mfg. Co., Harrisburg, Pa.

Pens, Steel.

Esterbrook Steel Pen Mfg. Co., Camden, N. J.
C. Howard Hunt Pen Co., Camden, N. J.

Penstocks.

(See also Ironwork, Plate and Sheet.)

D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Western Pipe and Steel Co. of California, San Francisco, Cal.

Perambulator Parts.

(See Carriage Parts, Baby.)

Percolators, Coffee.

L. O. Koven & Bro., Jersey City, N. J.
Manning, Bowman & Co., Meriden, Conn.
New York Stamping Co., Brooklyn, N. Y.
Rochester Stamping Co., Rochester, N. Y.

Perforators, Paper.

W. O. Hickok Mfg. Co., Harrisburg, Pa.
Samuel C. Tatum Co., Cincinnati, Ohio.

Perfumes and Extracts.

California Perfume Co., New York.
Dodge & Olcott Co., New York.
Hall & Ruckel, New York.
Andrew Jergens Co., Cincinnati, Ohio.
James S. Kirk & Co., Chicago, Ill.
Larkin Co., Buffalo, N. Y.
United Drug Co., Boston, Mass.
Van Dyk & Co., Inc., New York.

Periodicals.

American Industries, National Association of Manufacturers, New York.
American Machinist, McGraw-Hill Publishing Co., Inc., New York.
Bankers' Directory of North America, Rand, McNally & Co., Chicago, Ill.
Coal Age, McGraw-Hill Publishing Co., Inc., New York.
The Contractor, McGraw-Hill Publishing Co., Inc., New York.
Daily Bulletin, Manufacturers' Record Publishing Co., Baltimore, Md.
El Commercio, J. Shepherd Clark Co., New York.
Electric Railway Journal, McGraw-Hill Publishing Co., Inc., New York.
Electrical Directories, McGraw-Hill Publishing Co., Inc., New York.
Electrical Merchandising, McGraw Hill Publishing Co., New York.
Electrical World, McGraw-Hill Publishing Co., Inc., New York.
Engineering and Mining Journal, McGraw-Hill Publishing Co., Inc., New York.
Engineering News, McGraw-Hill Publishing Co., Inc., New York.
Engineering Record, McGraw-Hill Publishing Co., Inc., New York.
The Florists' Exchange, A. T. De La Mare Co., Inc., New York.
Lawyers' (Bonded) List of North America, Rand, McNally & Co., Chicago, Ill.
The Manufacturers' Record, Manufacturers' Record Publishing Co., Baltimore, Md.
Metallurgical and Chemical Engineering, McGraw-Hill Publishing Co., Inc., New York.
Power, McGraw-Hill Publishing Co., Inc., New York.
Water Works Directory, McGraw-Hill Publishing Co., Inc., New York.

Petrolatum.

Atlantic Refining Co., Philadelphia, Pa.
Gulf Refining Co., Pittsburgh, Pa.
Merck & Co., New York.
Union Petroleum Co., Philadelphia, Pa.

Petroleum and its Products.

Atlantic Refining Co., Philadelphia, Pa.
General Petroleum Corp., Los Angeles, Cal.
Gulf Refining Co., Pittsburgh, Pa.
Indian Refining Co., New York.
Paragon Refining Co., Toledo, Ohio.
Standard Oil Co. of New York, N. Y.
Tide Water Oil Co., New York.
Union Oil Co. of California, Los Angeles, Cal.
Union Petroleum Co., Philadelphia, Pa.
Valvoline Oil Co., New York.

Phaetons.

Moon Bros. Carriage Co., St. Louis, Mo.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Implement and Carriage Co., Moline, Ill.

Pharmaceutical Preparations.

Albany Chemical Co., Albany, N. Y.
Allcock Mfg. Co., New York.
S. F. Baker & Co., Keokuk, Iowa.
Bayer Co., Inc., New York.
Bristol-Myers Co., Brooklyn, N. Y.
Cudahy Packing Co., Chicago, Ill.

Pharmaceutical Preparations—Cont.

Daggett & Ramsdell, New York.
Eimer & Amend, New York.
Hall & Ruckel, New York.
G. F. Harvey Co., Saratoga Springs, N. Y.
Heyden Chemical Works, New York.
Kalle Color and Chemical Co., New York.
Keasbey & Mattison Co., Ambler, Pa.
Dr. Kilmer & Co., Binghamton, N. Y.
Lambert Pharmacal Co., St. Louis, Mo.
Larkin Co., Buffalo, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Madero Bros., Inc., New York.
Magnus, Mabee & Reynard, Inc., New York.
Merck & Co., New York.
Dr. Miles Medical Co., Elkhart, Ind.
Parke, Davis & Co., Detroit, Mich.
Charles Pfizer & Co., Inc., New York.
Charles H. Phillips Chemical Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.
Rumford Chemical Works, Providence, R. I.
Schieffelin & Co., New York.
E. R. Squibb & Sons, New York.
Martin H. Smith Co., New York.
Standard Aniline Products, Inc., New York.
United Drug Co., Boston, Mass.
W. & H. Walker, Pittsburgh, Pa.
Montgomery Ward & Co., Chicago, Ill.

Phonograph Records.

Brunswick-Balke-Collender Co., New York.
Columbia Graphophone Co., New York.
Thomas A. Edison, Inc., Orange, N. J.
Starr Piano Co., Richmond, Ind.

Phonographs.

Æolian Co., New York.
Brunswick-Balke-Collender Co., New York.
Columbia Graphophone Co., New York.
Thomas A. Edison, Inc., Orange, N. J.
Garford Mfg. Co., Elyria, Ohio.
Starr Piano Co., Richmond, Ind.

Phosphate Rock.

International Agricultural Corp., New York.
Virginia-Carolina Chemical Co., Richmond, Va.

Phosphates, Culinary and Medicinal.

Rumford Chemical Works, Providence, R. I.

Phosphor-Bronze, Rolled and Cast.

(See Bronze, Phosphor.)

Phosphorized Copper.

Damascus Bronze Co., Pittsburgh, Pa.
Keystone Bronze Co., Pittsburgh, Pa.

Phosphorized Tin.

Damascus Bronze Co., Pittsburgh, Pa.

Photo-Engravers.

(See Engravers, Half-Tone.)

Photo-Lithographers.

American Lithographic Co., New York.
Commercial Printing and Lithographing Co., Akron, Ohio.
F. A. Ringler Co., New York.

Photograph Mounts.

A. M. Collins Mfg. Co., Philadelphia, Pa.
Hampden Glazed Paper and Card Co., Holyoke, Mass.
Niagara Paper Mills, Lockport, N. Y.

Photographic Apparatus and Supplies.

Albany Chemical Co., Albany, N. Y.
Ansco Co., Binghamton, N. Y.
Berlin Aniline Works, New York.
G. Cramer Dry Plate Co., St. Louis, Mo.
Davol Rubber Co., Providence, R. I.
Defender Photo Supply Co., Rocheter, N. Y.
Eastman Kodak Co., Rochester, N. Y.
B. F. Goodrich Co., Akron, Ohio.
Charles M. Higgins & Co., Brooklyn, N. Y.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
S. S. Stafford, Inc., New York.

Photoprinting Materials.

Eastman Kodak Co., Rochester, N. Y.

Piano Actions.

A. C. Cheney Piano Action Co., Castleton on-Hudson, N. Y.
Kurtz Action Co., Rockford, Ill.
Strauch Bros., New York.
Wessell, Nickel & Gross, New York.
Woods & Brooks Co., Buffalo, N. Y.

Piano Covers.

William Tonk & Bro., Inc., New York.

Piano Hammers.

Strauch Bros., New York.
Wessell, Nickel & Gross, New York.

Piano Keys.

Wood & Brooks Co., Buffalo, N. Y.

Piano Plates.

Fairbanks Co., Springfield, Ohio.
O. S. Kelly Co., Springfield, Ohio.

Piano Playing Attachments.

Wilcox & White, Meriden, Conn.

Pianos.

Æolian Co., New York.
Autopiano Co., New York.
Baldwin Co., Cincinnati, Ohio.
Beckwith Organ Co., Inc., Louisville, Ky.
Behning Piano Co., New York.
George P. Bent Co., Chicago, Ill.
Bjur Bros. Co., New York.
Cable Co., Chicago, Ill.
John Church Co., Cincinnati, Ohio.
Melville Clark Piano Co., Chicago, Ill.
Jacob Doll & Sons, Inc., New York.
J. & C. Fischer, New York.
Grinnell Bros., Detroit, Mich.
Haddorf Piano Co., Rockford, Ill.
Hallet & Davis Piano Co., Boston, Mass.
Hardman, Peck & Co., New York.
R. S. Howard Co., New York.
Ivers & Pond Piano Co., Boston, Mass.
Jacob Bros. Co., New York.
W. W. Kimball Co., Chicago, Ill.
Kohler & Campbell, Inc., New York.
Kranich & Bach, New York.
C. Kurtzmann & Co., Buffalo, N. Y.
Ludwig & Co., New York.
Mason & Hamlin Co., Boston, Mass.

Pianos—Cont.

Mathushek Piano Mfg. Co., New York.
Paul G. Mehlin & Sons, New York.
Packard Piano Co., Fort Wayne, Ind.
M. Schulz Co., Chicago, Ill.
F. G. Smith, Brooklyn, N. Y.
Sohmer & Co., New York.
Starr Piano Co., Richmond, Ind.
Steinway & Sons, New York.
Sterling Co., Derby, Conn.
Sterling Piano Co., Brooklyn, N. Y.
Story & Clark Piano Co., Chicago, Ill.
William Tonk & Bro., Inc., New York.
Horace Waters & Co., New York.
Weaver Piano Co., York, Pa.
Wing & Son New York.
Winter & Co. New York.
Rudolph Wurlitzer Co. Cincinnati Ohio.

Pianos, Automatic.

(See Player-Pianos.)

Pianos, Electric.

Baldwin Piano Co. Cincinnati Ohio.
J. & C. Fischer New York.
R. S. Howard Co. New York.
William Tonk & Bro. Inc. New York.
Rudolph Wurlitzer Co. Cincinnati Ohio.

Pickles.

H. J. Heinz Co. Pittsburgh Pa.
Libby, McNeill & Libby, Inc., Chicago, Ill.

Picks.

Collins & Co., New York.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kelly Axe Mfg. Co., Charleston, W. Va.
Klein-Logan Co., Pittsburgh, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Picture Backs.

Hinde & Dauch Paper Co., Sandusky, O.

Pile Drivers.

Lambert Hoisting Engine Co., Newark, N. J.
Lidgerwood Mfg. Co., New York.
McMyler Interstate Co., Bedford, Ohio.

Piles, Concrete.

Raymond Concrete Pile Co., New York.

Piling, Foundation.

Great Southern Lumber Co., Bogalusa, La.
International Creosoting and Construction Co., Galveston, Tex.
Pacific Creosoting Co., Seattle, Wash.
Pacific States Lumber Co., Tacoma, Wash.
St. Paul and Tacoma Lumber Co., Tacoma, Wash.

Pillow Blocks.

(See also Hangers.)
Bond Foundry and Machine Co., Manheim, Pa.
Bunting Brass and Bronze Co., Toledo, O.
Benjamin Eastwood Co., Paterson, N. J.
Hill Clutch Co., Cleveland, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.
S. K. F. Ball Bearing Co., Hartford, Conn.
Stephens-Adamson Mfg. Co., Aurora, Ill.

Pillows

Frank A. Hall & Sons, New York.
Louisville Pillow Co., Louisville, Ky.
P. R. Mitchell Co., Cincinnati, Ohio.
National Casket Co., Long Island City, N. Y.
Salisbury & Satterlee Co., Minneapolis, Minn.

Pills.

Allcock Mfg. Co., New York.
Dr. Kilmer & Co., Binghamton, N. Y.
Ely Lilly & Co., Indianapolis, Ind.
Dr. Miles Medical Co., Elkhart, Ind.
Parke, Davis & Co., Detroit, Mich.
Schieffelin & Co., New York.

Pinch Bars.

(See Crowbars.)

Pinions, Car Motor.

Falk Co., Milwaukee, Wis.
R. D. Nuttall Co., Pittsburgh, Pa.
Tool Steel Gear and Pinion Co., Cincinnati, Ohio.
Van Dorn & Dutton Co., Cleveland, O.

Pinions, Rolling Mill.

Mesta Machine Co., Pittsburgh, Pa.

Pins.

Consolidated Safety Pin Co., Bloomfield, N. J.
De Long Hook and Eye Co., Philadelphia, Pa.
Oakville Co., Waterbury, Conn.
Star Pin Co., Derby, Conn.

Pins, Clothes.

Richmond Cedar Works, Richmond, Va.

Pins, Escutcheon.

Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Screw Corp., New Britain, Conn.
Havell Mfg. Co., Newark, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Pins, Hair.

(See Hairpins.)

Pins, Safety.

Consolidated Safety Pin Co., Bloomfield, N. J.
De Long Hook and Eye Co., Philadelphia, Pa.
Oakville Co., Waterbury, Conn.

Pipe Bits and Screws.

Arlington Co., New York.

Pipe, Cast Iron.

American Car and Foundry Co., New York.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., New York.
Galion Iron Works and Mfg. Co., Galion, Ohio.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
N. O. Nelson Mfg. Co., St. Louis, Mo.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.

Pipe, Cast Iron—Cont.

Warren Foundry and Machine Co., New York.
H. Wetter Mfg. Co., Memphis, Tenn.
L. Wolff Mfg. Co., Chicago, Ill.

Pipe, Cement-Lined Wrought Iron.

American Pipe and Construction Co., Philadelphia, Pa.

Pipe, Coiled, Iron, Brass and Copper.

M. S. Little Mfg. Co., Hartford, Conn.
National Pipe Bending Co., New Haven, Conn.
National Valve and Mfg. Co., Pittsburgh, Pa.
Pittsburgh Piping and Equipment Co., Pittsburgh, Pa.
Whitlock Coil Pipe Co., Hartford, Conn.

Pipe, Conductor.

Andrews Steel Co., Newport, Ky.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Klauer Mfg. Co., Dubuque, Iowa.
David Lupton's Son Co., Philadelphia, Pa.
Meurer Bros. Co., Brooklyn, N. Y.
Whitaker-Glessner Co., Wheeling, W. Va.

Pipe, Conductor, Elbows and Sleeves.

Ferdinand Dieckmann Co., Cincinnati, O.

Pipe Covering.

(See Covering, Boiler and Steam Pipe.)

Pipe, Flanged.

American Car and Foundry Co., New York.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
United States Cast Iron Pipe and Foundry Co., Burlington, N. J.
Warren Foundry and Machine Co., New York.

Pipe Flanges.

(See Flanges, Pipe.)

Pipe, Flue.

(See Flues, Chimney.)

Pipe, Lead.

N. O. Nelson Mfg. Co., St. Louis, Mo.
Rochester Lead Works, Rochester, N. Y.

Pipe, Riveted Iron and Steel.

Baker Iron Works, Los Angeles, Cal.
Continental Iron Works, Brooklyn, N. Y.
Lacy Mfg. Co., Los Angeles, Cal.
Llewellyn Iron Works, Los Angeles, Cal.
Milliken Bros. Co., Milliken, Staten Island, N. Y.
Pelton Water Wheel Co., San Francisco, Cal.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Schaw-Batcher Co. Pipe Works, Sacramento, Cal.
Western Pipe and Steel Co. of California, San Francisco, Cal.
Willamette Iron and Steel Works, Portland, Ore.

Pipe, Sewer and Drain.

American Sewer Pipe Co., Akron, Ohio.
N. Clark & Sons, San Francisco, Cal.
Crouse Clay Products Co., Akron, Ohio.
Denny-Renton Clay and Coal Co., Seattle, Wash.

Pipe, Sewer and Drain—Cont.

W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Galion Iron Works and Mfg. Co., Galion, Ohio.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Robinson Clay Products Co., Akron, Ohio.
Schaw-Batcher Co. Pipe Works, Sacramento, Cal.

Pipe, Stove.

Holbrook, Merrill & Stetson, San Francisco, Cal.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
National Enameling and Stamping Co., New York.

Pipe, Tin.

Kelsey Heating Co., Inc., Syracuse, N. Y.
Rochester Lead Works, Rochester, N. Y.
Williamson Heater Co., Cincinnati, Ohio.

Pipe, Well Casing.

(See Casing, Well, Clay Pipe.)

Pipe, Wood Stave.

Pacific Creosoting Co., Seattle, Wash.

Pipe, Wrought Iron and Steel.

A. M. Byers Co., Pittsburgh, Pa.
La Belle Iron Works, Steubenville, Ohio.
Monongahela Tube Co., Pittsburgh, Pa.
Spang, Chalfant & Co., Inc., Pittsburgh, Pa.
Wheeling Steel and Iron Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Pistols.

Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Harrington & Richardson Arms Co., Worcester, Mass.
Savage Arms Co., Utica, N. Y.
Smith & Wesson, Springfield, Mass.

Pitch.

Barrett Co., New York.
Philip Carey Mfg. Co., Lockland, Ohio.
New Haven Gas Light Co., New Haven, Conn.
Paragon Refining Co., Toledo, Ohio.
Pensacola Tar and Turpentine Co., Gull Point, Fla.
William H. Scheel, New York.
Tide Water Oil Co., New York.

Pitch, Candle.

Lautz Bros. & Co., Buffalo, N. Y.

Planers, Metal.

American Tool Works Co., Cincinnati, Ohio.
Cleveland Planer Works, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Morton Mfg. Co., Muskegon, Mich.
Niles-Bement-Pond Co., New York.
William Sellers & Co., Inc., Philadelphia, Pa.

Planers, Wood.

American Wood Working Machinery Co., Rochester, N. Y.
Bridgeport Engineering Co., Bridgeport, Conn.
J. A. Fay & Egan Co., Cincinnati, Ohio.
William B. Mershon & Co., Saginaw, Mich.
H. B. Smith Machine Co., Smithville, N. J.
S. A. Woods Machine Co., South Boston, Mass.

Planes and Plane Irons.

Mack & Co., Rochester, N. Y.
Sandusky Tool Co., Sandusky, Ohio.
Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.

Planters, Corn, Cotton, Potato, Etc.

American Seeding Machine Co., Richmond, Ind.
Bateman Mfg. Co., Grenloch, N. J.
Cardwell Machine Co., Richmond, Va.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
International Harvester Corp., Chicago, Ill.
F. E. Kohler Co., Canton, Ohio.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
Rock Island Plow Co., Rock Island, Ill.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

Planters, Peanut.

J. I. Case Plow Works, Racine, Wis.

Plaster Boards.

Bishopric Mfg. Co., Winton Place, Cincinnati, Ohio.
Schmidt & Ault Paper Co., York, Pa.
United States Gypsum Co., Chicago, Ill.

Plaster, Wall

Higginson Mfg. Co., Newburgh, N. Y.
Keystone Plaster Co., Chester, Pa.
Knickerbocker Lime Co., Philadelphia, Pa.
United States Gypsum Co., Chicago, Ill.
Woodville Lime and Cement Co., Toledo, Ohio.

Plasters, Medicinal.

Allcock Mfg. Co., New York.
Johnson & Johnson, New Brunswick, N. J.
Dr. Miles Medical Co., Elkhart, Ind.
Seabury & Johnson, New York.

Platers, Gold and Silver.

Edward N. Cook Plate Co., Providence, R. I.

Plates, Buckled.

Glasgow Iron Co., Pottstown, Pa.

Plates, Electrotype.

(See also Electrotypers.)

Rapid Electrotype Co., Cincinnatti, Ohio.
F. A. Ringler Co., New York.

Plates, Embossing, Leather.

F. A. Ringler Co., New York.
Thomas & George M. Stone, Newark, N. J.

Plates, Engraving.
F. A. Ringler Co., New York.
Robert Teller, Sons & Dorner, New York.

Plates, Felloe.
Columbus Bolt Works, Columbus, Ohio.
Eberhard Mfg. Co., Cleveland, Ohio.
Toledo Wheelbarrow Co., Toledo, Ohio.

Plates, Metal Name.
Elgin Silver Plate Co., Elgin, Ill.
Sterling Casket Hardware Co., Brooklyn, N. Y.

Plates, Terne.
Merchant & Evans Co., Philadelphia, Pa.
Whitaker-Glessner Co., Wheeling, W. Va.

Plates, Tin.
Berger Mfg. Co., Canton, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Wheeling Metal and Mfg. Co., Wheeling, W. Va.
Wheeling Steel and Iron Co., Wheeling, W. Va.
Whitaker-Glessner Co., Wheeling, W. Va.

Platforms, Car.
Commonwealth Steel Co., St. Louis, Mo.
Gould Coupler Co., New York.

Platinum, Sheet.
Baker & Co., Inc., Newark, N. J.

Player-Pianos.
Æolian Co., New York.
Autopiano Co., New York.
Baldwin Co., Cincinnati, Ohio.
Behning Piano Co., New York.
George P. Bent Co., Chicago, Ill.
Bjur Bros. Co., New York.
Cable Co., Chicago, Ill.
John Church Co., Cincinnati, Ohio.
Melville Clark Piano Co., Chicago, Ill.
J. & C. Fischer, New York.
Haddorf Piano Co., Rockford, Ill.
Hallet & Davis Piano Co., Boston, Mass.
Hardman, Peck & Co., New York.
R. S. Howard Co., New York.
W. W. Kimball Co., Chicago, Ill.
Kohler & Campbell, Inc., New York.
Kranich & Bach, New York.
C. Kurtzman & Co., Buffalo, N. Y.
Ludwig & Co., New York.
Mathushek Piano Mfg. Co., New York.
Paul G. Mehlin & Sons, New York.
M. Schulz Co., Chicago, Ill.
F. G. Smith, Brooklyn, N. Y.
Sohmer & Co., New York.
Starr Piano Co., Richmond, Ind.
Sterling Co., Derby, Conn.
Sterling Piano Co., Brooklyn, N. Y.
Story & Clark Piano Co., Chicago, Ill.
William Tonk & Bro., New York.
Horace Waters & Co., New York.
Weaver Organ & Piano Co., York, Pa.
Wilcox & White Co., Meriden, Conn.
Winter & Co., Inc., New York.
Rudolph Wurlitzer Co., Cincinnati, Ohio.

Pliers.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
Sargent & Co., New York.

Pliers—Cont.
L. A. Sayre Co., Newark, N. J.
William Schollhorn Co., New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

Plow Parts.
Eberhard Mfg. Co., Cleveland, Ohio.
Illinois Iron and Bolt Co., Carpentersville, Ill.

Plowing Engines.
(See Engines, Plowing.)

Plows, Contractors' and Grading.
American Steel Scraper Co., Sidney, O.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Moline Plow Co., Moline, Ill.
Rock Island Plow Co., Rock Island, Ill.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Western Wheeler Scraper Co., Aurora, Ill.
Wiard Plow Co., Batavia, N. Y.

Plows, Gang.
Advance-Rumely Thresher Co., La Porte, Ind.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
Rock Island Plow Co., Rock Island, Ill..
South Bend Chilled Plow Co., South Bend, Ind.
Wiard Plow Co., Batavia, N. Y.

Plows, Hand, Sulky, Disc, Etc.
J. I. Case Plow Works, Racine, Wis.
Collins & Co., New York.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar Co., New York.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Co., South Bend, Ind.
Racine-Sattley Co., Racine, Wis.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

Plows, Motor.
Holt Mfg. Co., Stockton, Cal.

Plows, Snow.
(See Snow Plows and Sweepers.)

Plows, Steam.
J. I. Case Plow Works, Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
Moline Plow Co., Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.

Plows, Tractor.
Rock Island Plow Co., Rock Island, Ill.
Worthington Pump and Machinery Corp., New York.

Plugs, Deck.
United States Bung Mfg. Co., Brooklyn, N. Y.

Plugs, Fusible.

Chase-Shawmut Co., Newburyport, Mass.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Lunkenheimer Co., Cincinnati, Ohio.
William Powell Co., Cincinnati, Ohio.

Plugs, Spark.

(See Spark Plugs.)

Plum Puddings.

(See Puddings.)

Plumbago.

(See Graphite.)

Plumbers' Supplies.

(See also Valves, Steam, Gas and Water.
Abbé Engineering Co., New York.
William Boekel & Co., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Buckeye Iron and Brass Works, Dayton, Ohio.
H. O. Canfield Co., Bridgeport, Conn.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., New York.
Clayton & Lambert Mfg. Co., Detroit, Mich.
John Douglas Co., Cincinnati, Ohio.
J. P. Eustis Mfg. Co., Cambridge, Mass.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Illinois Malleable Iron Co., Chicago, Ill.
Imperial Porcelain Works, Trenton, N. J.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Mfg. Co., Bloomfield, N. J.
Kohler Co., Kohler, Wis.
La Belle Iron Works, Steubenville, Ohio.
M. S. Little Mfg. Co., Hartford, Conn.
Ludlow Valve Mfg. Co., Troy, N. Y.
Thomas Maddock's Sons Co., Trenton, N. J.
Maileable Iron Fittings Co., Branford, Conn.
Mattatuck Mfg. Co., Waterbury, Conn.
Merchant & Evans Co., Philadelphia, Pa.
Monument Pottery Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
H. Mueller Mfg. Co., Decatur, Ill.
N. O. Nelson Mfg. Co., St. Louis, Mo.
Charles Parker Co., Meriden, Conn.
Peck Bros. & Co., New Haven, Conn.
Penberthy Injector Co., Detroit, Mich.
William Powell Co., Cincinnati, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.
Rochester Lead Works, Rochester, N. Y.
A. P. Smith Mfg. Co., East Orange, N. J.
Speakman Supply and Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
George Stratford Oakum Co., Jersey City, N. J.
A. L. Swett Iron Works, Medina, N. Y.
Trenton Potteries Co., Trenton, N. J.
Trimont Mfg. Co., Roxbury, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
H. Wetter Mfg. Co., Memphis, Tenn.
L. Wolff Mfg. Co., Chicago, Ill.

Plumping Cloth.

Bishop Gutta Percha Co., New York.

Plush, Cotton.

Baxter, Kelly & Faust, New York.
Bennett & Aspden, Philadelphia, Pa.
Sidney Blumenthal & Co., New York.
Hind & Harrison Plush Co., Clark Mills, N. Y.
S Stroock & Co., New York.
Victoria Plush Mill, New York.

Plush, Mohair.

Bennett & Aspden, Philadelphia, Pa.
Sidney Blumenthal & Co., New York.
L. C. Chase & Co., Boston, Mass.
Hind & Harrison Plush Co., Clark Mills, N. Y.
Sanford Mills, Boston, Mass.
S Stroock & Co., New York.
Victoria Plush Mill, New York.

Plush, Silk.

American Velvet Co., New York.
Astoria Silk Works, Long Island City, N. Y.
Baxter, Kelly & Faust, New York.
Bennett & Aspden, Philadelphia, Pa.
Sidney Blumenthal & Co., New York.
Hind & Harrison Plush Co., Clark Mills, N. Y.
S. Stroock & Co., New York.

Plush, Wool.

Sidney Blumenthal & Co., New York.
Holyoke Plush Co., Boston, Mass.
S. Stroock & Co., New York.

Pneumatic Tubes.

Lamson Co., Boston, Mass.
Rowe Calk Co., Hartford, Conn.

Pocket Books, Card Cases, Etc.

H. B. Hardenburg & Co., Brooklyn, N. Y.
C. F. Rumpp & Sons, Philadelphia, Pa.
Samstag & Hilder Bros., New York.
Emil Weissbrod & Sons, Inc., Greenfield, Mass.

Pockets, Coal Storage.

Link-Belt Co., Chicago, Ill.

Poles, Carriage.

Crane & MacMahon, Inc., New York.
E. A. Gillett & Sons, Boston, Mass.
Pioneer Pole and Shaft Co., Piqua, Ohio.
Von Behren Mfg. Co., Evansville, Ind.

Poles, Curtain.

H. L. Judd Co., New York.

Poles, Telegraph.

Caspar Lumber Co., San Francisco, Cal.
Electric Railway Equipment Co., Cincinnati, Ohio.
International Creosoting and Construction Co., Galveston, Texas.
Pacific States Lumber Co., Tacoma, Wash.
St. Paul and Tacoma Lumber Co., Tacoma, Wash.
Union Lumber Co., San Francisco, Cal.

Poles, Trolley and Electric Light.

Blaw Steel Construction Co., Pittsburgh, Pa.
Chicago Railway Equipment Co., Chicago, Ill.

Poles, Trolley and Electric Light—Cont.

Electric Railway Equipment Co., Cincinnati, Ohio.
Franklin Steel Works, Franklin, Pa.
J. L. Mott Iron Works, New York.

Police Department Equipments.

Gamewell Fire Alarm Telegraph Co., New York.
Harrington & Richardson Arms Co., Worcester, Mass.
Klaxon Co., Newark, N. J.
Mattatuck Mfg. Co., Waterbury, Conn.

Police Patrols, Automobile.

White Co., Cleveland, Ohio.

Polish, Automobile.

Wonder-Mist Co., Boston, Mass.

Polish, Floor.

C. B. Dolge Co., Westport, Conn.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Eugene E. Nice, Philadelphia, Pa.

Polish, Furniture.

Adams & Elting Co., Chicago, Ill.
C. B. Dolge Co., Westport, Conn.
Jones Brothers Tea Co., Brooklyn, N. Y.
Larkin Co., Buffalo, N. Y.
John Lucas & Co., Inc., Philadelphia, Pa.
Murphy Varnish Co., Newark, N. J.
Patton Paint Co., Milwaukee, Wis.
Sherwin-Williams Co., Cleveland, Ohio.
Wonder-Mist Co., Boston, Mass.

Polish, Metal.

Adams & Elting Co., Chicago, Ill.
B. T. Babbitt, Inc., New York.
Larkin Co., Buffalo, N. Y.
New Jersey Paint Works, Jersey City, N.J.
Patton Paint Co, Milwaukee, Wis.

Polish, Shoe.

Larkin Co., Buffalo, N. Y.
Frank Miller Co., New York.

Popcorn.

Rueckheim Bros. & Eckstein, Chicago, Ill.

Porcelain.

(See Pottery.)

Porcelain, Laboratory.

Eimer & Amend, New York.

Pork Packers.

Cincinnati Abattoir Co., Cincinnati, Ohio.
Corkran, Hill & Co., Baltimore, Md.
Cudahy Packing Co., Chicago, Ill.
Jacob Dold Packing Co., Buffalo, N. Y.
Dunlevy Packing Co., Pittsburgh, Pa.
Frye & Co., Seattle, Wash.
John Hoffman's Sons Co., Cincinnati, O.
Kingan & Co., Ltd., Indianapolis, Ind.
Miller & Hart, Chicago, Ill.
Morris & Co., Chicago, Ill.
John C. Roth Packing Co., Cincinnati, O.
J. & F. Schroth Packing Co., Cincinnati, O.
T. M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift & Co., Chicago, Ill.
Union Meat Co, Portland, Ore.
Wilson & Co., Chicago, Ill.

Port Lights, Ship.

Thomas Laughlin Co., Portland, Me.

Portables, Gas and Electric.

Faries Mfg. Co., Decatur, Ill.
Handel Co., Meriden, Conn.
A. H. Heisey & Co., Newark, Ohio.
Manhattan Brass Co., New York.
Edward Miller & Co., Meriden, Conn.
Charles Parker Co., Meriden, Conn.
Phoenix Glass Co., Pittsburgh, Pa.
Weidlich Bros. Mfg. Co., Bridgeport, Conn.

Porter.

(See Stout and Porter.)

Post Caps and Bases.

California Door Co., San Francisco, Cal.

Post Office Equipment.

Corbin Cabinet Lock Co., New Britain, Conn.
Wm. E. Hooper & Sons Co., Baltimore, Md.
Keyless Lock Co., Indianapolis, Ind.
Yale & Towne Mfg. Co., New York.

Posters.

Henderson Lithographing Co., Cincinnati, Ohio.
Nevins-Church Press, New York.
Strobridge Lithographing Co., Cincinnati. Ohio.
Walcutt Bros. Co., New York.

Posts, Iron.

American Rolling Mill Co., Middletown, O.
Anchor Post Iron Works, New York.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Roe Stephens Mfg. Co., Detroit, Mich.

Potash.

Albany Chemical Co., Albany, N. Y.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
John C. Wiarda & Co., Brooklyn, N. Y.

Potassium Bichromate.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Mutual Chemical Co. of America, New York.

Potassium Bromide and Iodide.

Albany Chemical Co., Albany, N. Y.
Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Potassium Cyanide.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Potato Diggers.

Bateman Mfg. Co., Grenloch, N. J.
A. B. Farquhar Co., New York.
South Bend Chilled Plow Co., South Bend, Ind.

Pots, Fire.

Clayton & Lambert Mfg. Co., Detroit, Mich.

Pots, Flower, Chimney, Etc.

Atlantic Terra Cotta Co., New York.
Denny-Renton Clay and Coal Co., Seattle, Wash.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Galloway Terra Cotta Co., Philadelphia, Pa.
Rookwood Pottery Co., Cincinnati, Ohio.

Pottery.

Atlantic Terra Cotta Co., New York.
Didier-March Co., Perth Amboy, N. J.
Galloway Terra Cotta Co., Philadelphia, Pa.
Gladding, McBean & Co., San Francisco, Cal.
Thomas Maddock's Sons Co., Trenton, N.J.
Monument Pottery Co., Trenton, N. J.
Onondaga Pottery Co., Syracuse, N. Y.
Robinson Clay Products Co., Akron, Ohio.
Rookwood Pottery Co., Cincinnati, Ohio.

Pottery, Art.

(See Art Goods, Ceramic.)

Powder, Baking.

A. Colburn Co., Philadelphia, Pa.
Jones Brothers Tea Co., Brooklyn, N. Y.
Larkin Co., Buffalo, N. Y.
Rumford Chemical Works, Providence, R.I.
Southern Mfg. Co., Richmond, Va.
W. & H. Walker, Pittsburgh, Pa.
Montgomery Ward & Co., Chicago, Ill.

Powder, Blasting and Sporting.

(See Gunpowder.)

Powder, Bleaching.

Hooker Electrochemical Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Powder, Polishing.

Franklin H. Kalbfleisch Co., New York.
Jones Brothers Tea Co., Brooklyn, N. Y.
Vitrified Wheel Co., Westfield, Mass.

Powder, Scouring.

B. T. Babbitt, Inc., New York.
Lautz Bros. & Co., Buffalo, N. Y.

Powders, Toilet and Tooth.

Daggett & Ramsdell, New York.
Hall & Ruckel, New York.
B. J. Johnson Soap Co., Milwaukee, Wis.
Jones Brothers Tea Co., Brooklyn, N. Y.
James S. Kirk & Co., Chicago, Ill.
Koken Barbers' Supply Co., St. Louis, Mo.
Lambert Pharmacal Co., St. Louis, Mo.
Larkin Co., Buffalo, N. Y.
Josephine Le Fevre Co., Inc., Philadelphia, Pa.
Merck & Co., New York.
Seabury & Johnson, New York.
Tetlow Mfg. Co., Philadelphia, Pa.
United Drug Co., Boston, Mass.

Powder, Washing.

N. K. Fairbank Co., Chicago, Ill.
J. B. Ford Co., Wyandotte, Mich.
B. J. Johnson Soap Co., Milwaukee, Wis.
Peet Brothers Mfg. Co., Kansas City, Kan.
Ryan Soap Co., Cincinnati, Ohio.

Preservative, Leather.

Edward R. Ladew Co., Inc., Glen Cove, Long Island, N. Y.

Preserves, Jams and Jellies.

American Preserve Co., Philadelphia, Pa.
California Fruit Canners' Association, San Francisco, Cal.
Curtice Brothers Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Chicago, Ill.
E. Pritchard, New York.
Stickney & Poor Spice Co, Boston, Mass.
Montgomery Ward & Co., Chicago, Ill.

Press Boards.

C. F. Crehore & Son, Boston, Mass.
W. O. Hickok Mfg. Co., Harrisburg, Pa.

Press Cloth.

(See Burlap.)

Presses, Arbor.

P. A. Geier Co., Cleveland, Ohio.

Presses, Artificial Flower Cutting.

John J. Cavagnaro, Harrison, N. J.

Presses, Baling.

Cardwell Machine Co., Richmond, Va.
J. I. Case Threshing Machine Co., Inc., Racine, Wis.
Continental Gin Co., Birmingham, Ala.
Emerson-Brantingham Co., Rockford, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Presses, Bullet Rod.

John Robertson & Co., Brooklyn, N. Y.

Presses, Carbon, Electric.

John Robertson & Co., Brooklyn, N. Y.
Werner & Pfleiderer, Saginaw, Mich.

Presses, Cotton.

Birmingham Machine and Foundry Co., Birmingham, Ala.
Cardwell Machine Co., Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.
Continental Gin Co., Birmingham, Ala.

Presses, Die.

Adriance Machine Works, Inc., Brooklyn, N. Y.
Max Ams Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
C. R. Carver Co., Philadelphia, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Niagara Machine and Tool Works, Buffalo, N. Y.
Seybold Machine Co., Dayton, Ohio.
Smith & Winchester Mfg. Co., South Windham, Conn.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Presses, Drawing.

Adriance Machine Works, Inc., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.

Presses, Drill.

Champion Blower and Forge Co., Lancaster, Pa.
Colburn Machine Tool Co., Franklin, Pa.
Garvin Machine Co., New York.

Presses, Drill—Cont.

Sibley Machine Co., South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Presses, Embossing.

Max Ams Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
C. R. Carver Co., Philadelphia, Pa.
Ferracute Machine Co., Bridgeton, N. J.
W. O. Hickok Mfg. Co., Harrisburg, Pa.
Seybold Machine Co., Dayton, Ohio.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Presses, Filter.

Abbé Engineering Co., New York.
Benjamin Eastwood Co., Paterson, N. J.
Love Brothers, Inc., Aurora, Ill.

Presses, Foot.

Max Ams Machine Co., Bridgeport, Conn.
Baird Machine Co., Bridgeport, Conn.
Niagara Machine and Tool Works, Buffalo, N. Y.
F. B. Shuster Co., New Haven, Conn.
Taylor & Fenn Co., Hartford, Conn.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Presses, Fruit, Wine and Jelly.

Thomas Devlin Mfg Co., Inc., Philadelphia, Pa.
N. R. Streeter & Co., Rochester, N. Y.

Presses, Gilding (for Bookbinders).

W. O. Hickok Mfg Co., Harrisburg, Pa.

Presses, Hay Baling.

International Harvester Corp., Chicago, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Sandwich Mfg. Co., Sandwich, Ill.

Presses, Hydraulic.

Cardwell Machine Co., Richmond, Va.
John J. Cavagnaro, Harrison, N. J.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
A. B. Farquhar Co., New York.
Mesta Machine Co., Pittsburgh, Pa.
I. P. Morris Co., Philadelphia, Pa.
John Robertson & Co., Brooklyn, N. Y.
Watson-Stillman Co., New York.
Worthington Pump and Machinery Corp., New York.

Presses, Lard.

Brecht Co., St. Louis, Mo.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.

Presses, Letter Copying.

Illinois Iron and Bolt Co., Carpentersville, Ill.
Samuel C. Tatum Co., Cincinnati, Ohio.

Presses, Macaroni.

(See Machinery, Macaroni, Vermicelli, etc.)

Presses, Oil.

Brecht Co., St. Louis, Mo.
Buckeye Iron and Brass Works, Dayton, Ohio.
Cardwell Machine Co., Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.
French Oil Machinery Co., Piqua, Ohio.
Platt Iron Works Co., Dayton, Ohio.

Presses, Power.

Max Ams Machine Co., Bridgeport, Conn.
Baird Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Cardwell Machine Co., Richmond, Va.
Chas. Leffler & Co., Brooklyn, N. Y.
Lucas Machine Tool Co., Cleveland, O.
Mesta Machine Co., Pittsburgh, Pa.
Rowbottom Machine Co., Waterbury, Conn.
United Engineering and Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Willard Machine and Tool Co., Covington, Ky.

Presses, Printing.

American Type Founders' Co., Jersey City, N. J.
Axelson Machine Co., Los Angeles, Cal.
Babcock Printing Press Mfg. Co., New London, Conn.
Chandler & Price Co., Cleveland, Ohio.
C. B. Cottrell & Sons Co., New York.
Fuchs & Lang Mfg. Co., New York.
Golding Mfg. Co., Franklin, Mass.
Meisel Press Mfg. Co., Boston, Mass.
Regina Co., Rahway, N. J.

Presses, Punching.

(See Punches, Power.)

Presses, Shrapnel Forging.

Mesta Machine Co., Pittsburgh, Pa.

Presses, Stamping and Forming.

Max Ams Machine Co., Bridgeport, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Niagara Machine and Tool Works, Buffalo, N. Y.
Oswego Machine Works, Oswego, N. Y.
John Robertson & Co., Brooklyn, N. Y.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Presses, Tailors', for Garments.

American Laundry Machinery Co., Cincinnati, Ohio.

Presses, Tallow.

Brecht Co., St. Louis, Mo.

Presses, Vulcanizing.

(See Vulcanizers, Rubber.)

Printers.

Allen, Lane & Scott, Philadelphia, Pa.
American Lithographic Co., New York.
Baker Printing Co., Newark, N. J.
A. R. Barnes & Co., Chicago, Ill.
Bartlett-Orr Press, New York.
Berrian & Douglas, New York.
J. C. Blair Co., Huntingdon, Pa.
Isaac H. Blanchard Co., New York.
Brandon Printing Co., Nashville, Tenn.
George H. Buchanan Co., Philadelphia, Pa.
Burr Printing House, New York.
Commercial Printing and Lithographing Co., Akron, Ohio.
Courier-Journal Job Printing Co., Louisville, Ky.
A.T. De La Mare Co., Inc., New York.
DeVinne Press, New York.
R. R. Donnelley & Sons Co., Chicago, Ill.
Dunlap Printing Co., Philadelphia, Pa.
Evans-Winter-Hebb., Inc., Detroit, Mich.
Federal Printing Co., New York.
Fidlar & Chambers, Davenport, Iowa.

Printers—Cont.

Forman-Bassett Co., Cleveland, Ohio.
Gillespie Brothers, Inc., Stamford, Conn.
Goes Lithographnig Co., Chicago, Ill.
William Green, New York.
Stephen Greene Co., Philadelphia, Pa.
J. C. Hall Co., Providence, R. I.
W. F. Hall Printing Co., Chicago, Ill.
Heywood Mfg. Co., Minneapolis, Minn.
Homestead Co., Des Moines, Iowa.
William G. Johnston & Co., Pittsburgh, Pa.
Joseph Mack Printing House, Detroit, Mich.
William Mann Co., Philadelphia, Pa.
J. Manz Engraving Co., Chicago, Ill.
John Mellor & Sons, Pittsburgh, Pa.
Menasha Printing Co., Menasha, Wis.
Murdoch, Kerr & Co., Inc., Pittsburgh, Pa.
Nevins-Church Press, New York.
Periodical Press, New York.
Poole Brothers, Chicago, Ill.
Publishers' Printing Co., New York.
Rand, McNally & Co., Chicago, Ill.
John C. Rankin Co., New York.
Republic Bank Note Co., Pittsburgh, Pa.
Reynolds & Reynolds, Dayton, Ohio.
Rogers & Co., Inc., Chicago, Ill.
Rogers & Hall Co., Chicago, Ill.
Stevenson & Foster Co., Pittsburgh, Pa.
Stone Printing and Mfg. Co., Roanoke, Va.
Strobridge Lithographing Co., Cincinnati, Ohio.
Stromberg, Allen & Co., Chicago, Ill.
Tuttle, Morehouse & Taylor Co., New Haven, Conn.
Walcutt Brothers Co., New York.
Wynkoop Hallenbeck Crawford Co., New York.

Printers, Color.

Isaac H. Blanchard Co., New York.
Evans-Winter-Hebb, Inc., Detroit, Mich.
Genesee Valley Lithograph Co., Rochester, N. Y.
Stephen Greene Co., Philadelphia, Pa.
Henderson Lithographing Co., Cincinnati, Ohio.
Kemper-Thomas Co., Cincinnati, Ohio.
Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.
Joseph Mack Printing House, Detroit, Mich.
Manz Engraving Co., Chicago, Ill.
Nevins-Church Press Co., New York.
Periodical Press, New York.
Rand, McNally & Co., Chicago, Ill.
Republic Bank Note Co., Pittsburgh, Pa.
Smith Lithograph Co., San Francisco, Cal.
Strobridge Lithographing Co., Cincinnati, Ohio.
Taber-Prang Art Co., Springfield, Mass.

Printers, Cotton Cloth.

Algonquin Printing Co., Fall River, Mass.
American Novelty Printing and Embossing Works, Hoboken, N. J.
Aspinook Co., Jewett City, Conn.
Eddystone Mfg. Co., New York.
Liondale Bleach, Dye and Print Works, Rockaway, N. J.
Passaic Print Works, Passaic, N. J.
United Piece Dye Works, Lodi, N. J.
United States Finishing Co., New York.
Worthen & Aldrich Co., Passaic, N. J.

Printers, Lithographic.

American Lithographic Co., New York.
Brandon Printing Co., Nashville, Tenn.
Brett Lithographing Co., Long Island City, N. Y.
Commercial Printing and Lithographing Co., Akron, Ohio.
Courier-Journal Job Printing Co., Louisville, Ky.
R. R. Donnelley & Sons Co., Chicago, Ill.
Evans-Winter-Hebb, Inc., Detroit, Mich.
Forman-Bassett Co., Cleveland, Ohio.
Genesee Valley Lithograph Co., Rochester, N. Y.
Stephen Greene Co., Philadelphia, Pa.
Henderson Lithographing Co., Cincinnati, Ohio.
Heywood, Strasser & Voigt Litho. Co., New York.
Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa.
William Mann Co., Philadelphia, Pa.
Manz Engraving Co., Chicago, Ill.
Periodical Press, Inc., New York.
Rand, McNally & Co., Chicago, Ill.
Republic Bank Note Co., Pittsburgh, Pa.
Reynolds & Reynolds, Dayton, Ohio.
Schmidt Lithograph Co., San Francisco, Cal.
Stevenson & Foster Co., Pittsburgh, Pa.
Strobridge Lithographing Co., Cincinnati, Ohio.
Stromberg, Allen & Co., Chicago, Ill.
Taber-Prang Art Co., Springfield, Mass.

Printers, Music

Robert Teller, Sons & Dorner, New York.

Printers, Silk Goods.

American Novelty Printing and Embossing Works, Hoboken, N. J.
National Silk Dyeing Co., Paterson, N. J.
Oriental Silk Printing Co., Haledon, N. J.
Sussex Print Works, Newton, N. J.
United Piece Dye Works, Lodi, N. J.

Printers, Silk Mixed Goods.

National Silk Dyeing Co., Paterson, N. J.
Oriental Silk Printing Co., Haledon, N. J.
Sussex Print Works, Newton, N. J.
United Piece Dye Works, Lodi, N. J.

Printer's Supplies.

American Brass Co., Waterbury, Conn.
American Multiple Fabric Co., Providence, R. I.
American Type Founders Co., Jersey City, N. J.
Barnhart Bros. & Spindler, Chicago, Ill.
Buffalo Weaving and Belting Co., Buffalo, N. Y.
Chandler & Price Co., Cleveland, Ohio.
R. J. Dowd Knife Works, Beloit, Wis.
Fuchs & Lang Mfg. Co., New York.
Golding Mfg. Co., Franklin, Mass.
B. F. Goodrich Co., Akron, Ohio.
Hamilton Mfg. Co., Two Rivers, Wis.
Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Francisco, Cal.
Samuel C. Tatum Co., Cincinnati, Ohio.

Printers on Wood.

George G. Page Box Co., Cincinnati, O.

Printers, Wool Goods.

Worthen & Aldrich Co., Passaic, N. J.

Prints, Cotton.

(See Cotton Prints.)

Productographs.

Slocum, Avram & Slocum, Inc., N. Y.

Propellers.

Bath Iron Works, Ltd., Bath, Me.
Charles D. Durkee & Co., New York.
Thomas Laughlin Co., Portland, Me.

Prunes, Evaporated.

(See also Fruits, Evaporated.)

California Fruit Canners' Association, San Francisco, Cal.

Prussiate of Potash.

Merck & Co., New York.

Prussiate of Soda.

Merck & Co., New York.

Publishers.

Henry Altemus Co., Philadelphia, Pa.
A. R. Barnes & Co., Chicago, Ill.
Burr Printing House, New York.
J. Shepherd Clark Co., New York.
Curtis Publishing Co., Philadelphia, Pa.
Steven de Csesznak, Inc., New York.
A. T. De La Mare Co., Inc., New York.
M. A. Donohue & Co., Chicago, Ill.
Gillespie Brothers, Inc., Stamford, Conn.
W. F. Hall Printing Co., Chicago, Ill.
Homestead Company, Des Moines, Iowa.
McGraw-Hill Publishing Co., New York.
Manufacturers' Record Publishing Co., Baltimore, Md.
Methodist Book Concern, Cincinnati, O.
Murdoch, Kerr & Co., Inc., Pittsburgh, Pa.
Rand, McNally & Co., Chicago, Ill.
West Publishing Co., St. Paul, Minn.

Puddings.

Curtice Brothers Co., Rochester, N. Y.

Pullers, Nail and Staple.

Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Millers Falls Co., Millers Falls, Mass.
L. A. Sayre Co., Newark, N. J.

Pulleys, Cast Iron.

A. & F. Brown Co., New York.
Dodge Mfg. Co., Mishawaka, Ind.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.
Naylor Brothers, Peekskill, N. Y.
Standard Pulley Co., Cincinnati, Ohio.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Wilmarth & Morman Co., Grand Rapids, Mich.

Pulleys, Cone and Step.

Ohio Valley Pulley Works, Inc., Maysville, Ky.

Pulleys, Friction.

A. & F. Brown Co., New York.
Dodge Mfg. Co., Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Benjamin Eastwood Co., Paterson, N. J.

Pulleys, Friction—Cont.

Fairbanks, Morse & Co., Chicago, Ill.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Meese & Gottfried Co., San Francisco, Cal.
Moore & White Co., Philadelphia, Pa.
Reeves Pulley Co., Columbus, Ind.
Rockwood Mfg. Co., Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Williams Foundry and Machine Co., Akron, Ohio.

Pulleys, Iron, Split.

Dodge Mfg. Co., Mishawaka, Ind.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Meese & Gottfried Co., San Francisco, Cal.
Ohio Valley Pulley Works, Inc., Maysville, Ky.

Pulleys, Iron, Wood-Rim.

Dodge Mfg. Co., Mishawaka, Ind.
Medart Patent Pulley Co., St. Louis, Mo.
Ohio Valley Pulley Works, Inc., Maysville, Ky.

Pulleys, Motor.

Saginaw Mfg. Co., Saginaw, Mich.

Pulleys, Paper.

Rockwood Mfg. Co., Indianapolis, Ind.

Pulleys, Sash.

American Pulley Co., Philadelphia, Pa.
Grand Rapids Hardware Co., Grand Rapids, Mich.
Sargent & Co., New York.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.

Pulleys, Sheave.

(See Sheaves, Tackle Block.)

Pulleys, Steel (All Wrought).

American Pulley Co., Philadelphia, Pa.
Grand Rapids Hardware Co., Grand Rapids, Mich.

Pulleys, Steel Face.

Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.

Pulleys, Wood, Split.

Dodge Mfg. Co., Mishawaka, Ind.
Jeffrey Mfg. Co., Columbus, Ohio.
Medart Patent Pulley Co., St. Louis, Mo.
Ohio Valley Pulley Works, Inc., Maysville, Ky.
Reeves Pulley Co., Columbus, Ind.
Saginaw Mfg. Co., Saginaw, Mich.

Pulls, Door.

Brass Goods Mfg. Co., Brooklyn, N. Y.
F. E. Kohler Co., Canton, Ohio.
Sargent & Co., New York.
Frank F. Smith Metal Window Hardware Co., Newark, N. J.

Pulls, Drawer.

Brass Goods Mfg. Co., Brooklyn, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Foster, Merriam & Co., Meriden, Conn.
Sargent & Co., New York.

Pulp, Wood (Chemical).

Dells Paper and Pulp Co., Eau Claire, Wis.
Dexter Sulphite Pulp and Paper Co., Dexter, N. Y.
Dill & Collins Co., Philadelphia, Pa.
Island Paper Co., Menasha, Wis.
Penobscot Chemical Fibre Co., Boston, Mass.
West Virginia Pulp and Paper Co., New York.

Pulp, Wood (Ground).

Dells Paper and Pulp Co., Eau Claire, Wis.

Pulpits.

Wright Mfg. Co., Philadelphia, Pa.

Pumice Stone.

(See Stone, Pumice, Rotten, etc.)

Pump Cylinders.

Alamo Iron Works, San Antonio, Texas.
Boyts, Porter & Co., Connellsville, Pa.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.

Pump Parts.

Boyts, Porter & Co., Connellsville, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Thermoid Rubber Co., Trenton, N. J.
Union Steam Pump Co., Battle Creek, Mich.

Pump Supplies.

Alamo Iron Works, San Antonio, Texas.
Alexander Brothers, Philadelphia, Pa.
Boyts, Porter & Co., Connellsville, Pa.
Edson Mfg. Co., Boston, Mass.
B. F. Goodrich Co., Akron, Ohio.
Graton & Knight Mfg. Co., Worcester, Mass.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Jarecki Mfg. Co., Erie, Pa.
W. S. Nott Co., Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Quaker City Rubber Co., Philadelphia, Pa.
Charles A. Schieren Co., New York.
A. Schrader's Son, Inc., Brooklyn, N. Y.

Pumps, Air.

M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Hartford Machine Screw Co., Hartford, Conn.
Mesta Machine Co., Pittsburgh, Pa.
Nash Engineering Co., South Norwalk, Conn.
William Powell Co., Cincinnati, Ohio.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump and Machinery Corp., New York.

Pumps, Artesian.

Boyts, Porter & Co., Connellsville, Pa.
A. D. Cook, Lawrenceburg, Ind.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Rider-Ericsson Engine Co., New York.
Worthington Pump and Machinery Corp., New York.

Pumps, Automobile.

Bridgeport Brass Co., New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Goulds Mfg. Co., Seneca Falls, N. Y.
Hartford Machine Screw Co., Hartford, Conn.
Stewart-Warner Speedometer Corp., Chicago, Ill.
United States Electrical Tool Co., Cincinnati, Ohio.
West Side Foundry Co., Troy, N. Y.
Worthington Pump and Machine Corp., New York.

Pumps, Beer.

Bishop-Babcock-Becker Co., Cleveland, O.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Edson Mfg. Co., Boston, Mass.
Goulds Mfg. Co., Seneca Falls, N. Y.
Wittemann Co., Buffalo, N. Y.

Pumps, Bicycle.

Bridgeport Brass Co., Bridgeport, Conn.
B. F. Goodrich Co., Akron, Ohio.
Goulds Mfg. Co., Seneca Falls, N. Y.
United States Electrical Tool Co., Cincinnati, Ohio.

Pumps, Boiler Feed.

Boyts, Porter & Co., Connellsville, Pa.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
I. P. Morris Co., Philadelphia, Pa.
Platt Iron Works Co., Dayton, Ohio.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Centrifugal.

Abbé Engineering Co., New York.
Bagley & Sewall Co., Watertown, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Great Lakes Engineering Works, Detroit, Mich.
Keystone Driller Co., Beaver Falls, Pa.
Lucey Mfg. Co., New York.
August Mietz Corp., New York.
Morris Machine Works, Baldwinsville, N. Y.
I. P. Morris Co., Philadelphia, Pa.

Pumps, Centrifugal—Cont.

Pelton Water Wheel Co., San Francisco, Cal.
Platt Iron Works Co., Dayton, Ohio.
Pusey & Jones Co., Wilmington, Del.
Rider-Ericsson Engine Co., New York.
Schütte & Koerting Co., Philadelphia, Pa.
Union Steam Pump Co., Battle Creek, Mich.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Pumps, Circulating.

Connersville Blower Co., Connersville, Ind.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Worthington Pump and Machinery Corp., New York.

Pumps, Deep Well.

Alamo Iron Works, San Antonio, Texas.
Boyts, Porter & Co., Connellsville, Pa.
A. D. Cook, Lawrenceburg, Ind.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Jarecki Mfg. Co., Erie, Pa.
Keystone Driller Co., Beaver Falls, Pa.
August Mietz Corp., New York.
Rider-Ericsson Engine Co., New York.
Worthington Pump and Machinery Corp., New York.

Pumps, Diaphragm.

Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Thomas Laughlin Co., Portland, Me.
Schütte & Koerting Co., Philadelphia, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Electric.

Boyts, Porter & Co., Connellsville, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump and Machinery Corp., New York.

Pumps, Fire.

Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Worthington Pump and Machinery Corp., New York.

Pumps, Gas Works.

Connersville Blower Co., Connersville, Ind.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Worthington Pump and Machinery Corp., New York.

Pumps, Gasoline.

Air-Tight Steel Tank Co., Pittsburgh, Pa.
S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Deming Co., Salem, Ohio.
Lansing Co., Lansing, Mich.
Wayne Oil Tank and Pump Co., Ft. Wayne, Ind.
Worthington Pump and Machinery Corp., New York.

Pumps, Hand.

Cardwell Machine Co., Richmond, Va.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Jenkins Mfg. Co., Bloomfield, N. J.
Ransome Concrete Machinery Co., Dunellen, N. J.

Pumps, Hot Air.

(See Engines, Hot Air.)

Pumps, Hydraulic.

Watson-Stillman Co., New York.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Irrigation.

Connersville Blower Co., Connersville, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Link-Belt Co., Chicago, Ill.
August Mietz Corp., New York.
I. P. Morris Co., Philadelphia, Pa.
Rider-Ericsson Engine Co., New York.
Worthington Pump and Machinery Corp., New York.

Pumps, Jet.

American Injector Co., Detroit, Mich.
Tranter Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Locomotive.

(See Pumps, Boiler Feed.)

Pumps, Marine.

Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Charles D. Durkee & Co., New York.
Edson Mfg. Co., Boston, Mass.
Thomas Laughlin Co., Portland, Me.
Worthington Pump and Machinery Corp., New York

Pumps, Mine.

Boyts, Porter & Co., Connellsville, Pa.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.

Pumps, Mine—Cont.

Jeffrey Mfg. Co., Columbus, Ohio.
I. P. Morris Co., Philadelphia, Pa.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Oil.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Connersville Blower Co., Connersville, Ind.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Lunkenheimer Co., Cincinnati, Ohio.
William Powell Co., Cincinnati, Ohio.
Wayne Oil Tank and Pump Co., Ft. Wayne, Ind.
Worthington Pump and Machinery Corp., New York.

Pumps, Power.

(See also Pumps, Mine; Pumps, Steam, etc.)

Alberger Pump and Condenser Co., New York.
Bagley & Sewall Co., Watertown, N. Y.
Bishop-Babcock-Becker Co., Cleveland, O.
Boyts, Porter & Co., Connellsville, Pa.
Cardwell Machine Co., Richmond, Va.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Edson Mfg. Co., Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Gardner Governor Co., Quincy, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
John H. McGowan Co., Cincinnati, Ohio.
August Mietz Corp., New York.
I. P. Morris Co., Philadelphia, Pa.
Platt Iron Works Co., Dayton, Ohio.
John Robertson & Co., Brooklyn, N. Y.
P. H. & F. M. Roots Co., Connersville, Ind.
Union Steam Pump Co., Battle Creek, Mich.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Rotary.

Connersville Blower Co., Connersville, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
P. H. & F. M. Roots Co., Connersville, Ind.
Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Pumps, Sand.

Fairbanks, Morse & Co., Chicago, Ill.
Spang & Co., Butler, Pa.
Traylor Engineering and Mfg. Co., Allentown, Pa.

Pumps, Self-Measuring.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.

Pumps, Spraying.

Bateman Mfg. Co., Grenloch, N. J.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.

Pumps, Steam.

Alberger Pump and Condenser Co., New York.
Boyts, Porter & Co., Connellsville, Pa.
Cardwell Machine Co., Richmond, Va.
Connersville Blower Co., Connersville, Ind.
A. D. Cook, Lawrenceburg, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Lucey Mfg. Co., New York.
August Mietz Corp., New York.
I. P. Morris Co., Philadelphia, Pa.
Platt Iron Works Co., Dayton, Ohio.
Ransome Concrete Machinery Co., Dunellen, N. J.
Union Steam Pump Co., Battle Creek, Mich.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Worthington Pump and Machinery Corp., New York.

Pumps, Sugar House.

Blymer Iron Works Co., Cincinnati, Ohio.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Union Steam Pump Co., Battle Creek, Mich.
Worthington Pump and Machinery Corp., New York.

Pumps, Triplex.

Bagley & Sewall Co., Watertown, N. Y.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, Ohio.
August Mietz Corp., New York.
P. H. & F. M. Roots Co., Connersville, Ind.
Worthington Pump and Machinery Corp., New York.

Pumps Vacuum.

Abbé Engineering Co., New York.
Bishop-Babcock-Becker Co., Cleveland, O.
Buffalo Foundry and Machine Co., Buffalo, N. Y.
Connersville Blower Co., Connersville, Ind.
M. T. Davidson Co., Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Fairbanks, Morse & Co., Chicago, Ill.
Gardner Governor Co., Quincy, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Mesta Machine Co., Pittsburgh, Pa.
Nash Engineering Co., South Norwalk, Conn.

Pumps, Vacuum—Cont.

P. H. & F. M. Roots Co., Connersville, Ind.
Schütte & Koerting Co., Philadelphia, Pa.
Sowers Mfg. Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.

Pumps, Windmill.

Deming Co., Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.

Punches, Belt.

L. A. Sayre Co., Newark, N. J.
Smith & Egge Mfg. Co., Bridgeport, Conn.
William Schollhorn Co., New Haven, Conn.

Punches, Cattle.

L. A. Sayre Co., Newark, N. J.

Punches Center.

Iron City Tool Works, Ltd., Pittsburgh, Pa.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.
Vlchek Tool Co., Cleveland, Ohio.

Punches, Lever.

Niagara Machine and Tool Works, Buffalo, N. Y.
Transue & Williams Co., Alliance, Ohio.

Punches for Paper.

W. O. Hickok Mfg. Co., Harrisburg, Pa.
Irving-Pitt Mfg. Co., Kansas City, Mo.
Samuel C. Tatum Co., Cincinnati, Ohio.

Punches, Power.

Champion Blower and Forge Co., Lancaster, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Long & Allstatter Co., Hamilton, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., New York.
Samuel C. Tatum Co., Cincinnati, Ohio.

Punches, Ticket.

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Kraeuter & Co., Inc., Newark, N. J.
Rand, McNally & Co., Chicago, Ill.
L. A. Sayre Co., Newark, N. J.
William Schollhorn Co., New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Purifiers, Oil.

Elliott Co., Pittsburgh, Pa.

Purifiers, Water.

Dodge Mfg. Co., Mishawaka, Ind.
Harrison Safety Boiler Works, Philadelphia, Pa.
National Pipe Bending Co., New Haven, Conn.
Worthington Pump and Machinery Corp., New York.

Purses, Coin.

H. B. Hardenburg & Co., Brooklyn, N. Y.
Emil Weissbrod & Sons, Inc., Greenfield, Mass.

Putty.

Allentown Mfg. Co., Allentown, Pa.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
John Lucas & Co., Inc., Philadelphia, Pa.
Pecora Paint Co., Inc., Philadelphia, a.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Pyralin.

Arlington Co., New York.

Pyrometers.

Taylor Instrument Companies, Rochester, N. Y.

Quilts, Cotton, Down and Wool.

Frank A. Hall & Sons, New York.
Louisville Pillow Co., Louisville, Ky.
Sherman & Sons Co., New York.

Quinine.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Racks and Hooks, Butchers'.

(See Fixtures, Market.)

Racks, Bottle.

George G. Page Box Co., Cambridge, Mass.

Racks, Magazine.

Davis-Birely Table Co., Shelbyville, Ind.
Northern Furniture Co., Sheboygan, Wis.

Radiators, Automobile and Aeroplane.

English & Mersick Co., New Haven, Conn.
G & O Mfg. Co., New Haven, Conn.
Long Mfg. Co., Detroit, Mich.
Mayo Radiator Co., New Haven, Conn.
Sparks-Withington Co., Jackson, Mich.

Radiators, Steam and Hot Water.

American Radiator Co., Chicago, Ill.
Gurney Heater Mfg. Co., Boston, Mass.
J. L. Mott Iron Works, New York.

Radium.

Eimer & Amend, New York.

Raffia Grass.

R. H. Comey Co., Inc., Camden, N. J.

Rail Bonds.

Electric Railway Improvement Co., Cleveland, Ohio.
Ohio Brass Co., Mansfield, Ohio.

Railings, Bank and Office.

(See Fixtures, Bank and Office.)

Railings, Iron.

Adlerhurst Iron Co., New Haven, Conn.
Anchor Post Iron Works, New York.
Cheney Bigelow Wire Works, Springfield, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Dow Wire and Iron Works, Louisville, Ky.
Hecla Iron Works, Brooklyn, N. Y.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Railings, Wooden, for Church, Court House, Etc.

Wright Mfg. Co., Philadelphia, Pa.

Rails, Steel.

(See Steel Rails.)

Railway Brake Shoes.

(See Brake Shoes.)

Railway Signal Torpedoes and Fuses.

Central Railway Signal Co., Pittsburgh, Pa.

Railway Signals.

(See Signals, Railway.)

Railway Supplies.

Adams & Westlake Co., Chicago, Ill.
American Car and Foundry Co., New York.
American Chain Co., Inc., Bridgeport, Conn.
American Steel Foundries, Chicago, Ill.
American Vulcanized Fibre Co., Wilmington, Del.
Armspear Mfg. Co., New York.
Bettendorf Co., Bettendorf, Iowa.
Buckeye Steel Castings Co., Columbus, O.
Buda Co., Chicago, Ill.
Chicago Railway Equipment Co., Chicago, Ill.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Commonwealth Steel Co., St. Louis, Mo.
Dayton Mfg. Co., Dayton, Ohio.
Dilworth, Porter & Co., Inc., Pittsburgh, Pa.
Duff Mfg. Co., Pittsburgh, Pa.
Eastern Malleable Iron Co., Naugatuck, Conn.
Electric Railway Improvement Co., Cleveland, Ohio.
Elyria Iron and Steel Co., Elyria, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Gould Coupler Co., New York.
Peter Gray & Sons, Inc., Cambridge, Mass.
Gregg Co., Ltd., Hackensack, N. J.
Hale & Kilburn Co., Philadelphia, Pa.
James L. Howard & Co., Hartford Conn.
Inland Steel Co., Chicago, Ill.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
H. W. Johns-Manville Co., New York.
Lima Locomotive Works, Inc., Lima, Ohio.
Morden Frog and Crossing Works, Chicago, Ill.
National Lock Washer Co., Newark, N. J.
National Malleable Castings Co., Cleveland, Ohio.
New York Switch and Crossing Co., Hoboken, N. J.
Ohio Brass Co., Mansfield, Ohio.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Pettibone, Mulliken Co., Chicago, Ill.
Railway Steel Spring Co., New York.
Ramapo Iron Works, New York.
Scranton Bolt and Nut Co., Scranton, Pa.
Sweet's Steel Co., Williamsport, Pa.
Union Switch and Signal Co., Swissvale, Pa.
Westinghouse Air Brake Co., Pittsburgh, Pa.

Railway Tickets and Stationery.

Allen, Lane & Scott, Philadelphia, Pa.
Everett Pulp and Paper Co., Everett, Wash.
Poole Brothers, Chicago, Ill.

Railway Tickets and Stationery—Cont.

Rand, McNally & Co., Chicago, Ill.
Stevenson & Foster Co., Pittsburgh, Pa.
Wynkoop, Hallenbeck, Crawford Co., New York.

Railways, Industrial.

Automatic Transportation Co., Buffalo, N. Y.
Gregg Co., Ltd., Hackensack, N. J.
Lima Locomotive Works, Inc., Lima, Ohio.
Link-Belt Co., Chicago, Ill.
Mead-Morrison Mfg. Co., East Boston, Mass.
G. L. Stuebner Iron Works, Long Island City, N. Y.

Railways, Marine.

William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.

Raisins.

California Fruit Canners' Association, San Francisco, Cal.

Rakes, Hand.

American Fork and Hoe Co., Cleveland, O.
F. E. Kohler Co., Canton, Ohio.
Piqua Handle and Mfg. Co., Piqua, Ohio.

Rakes, Hay (Horse).

Bateman Mfg. Co., Grenloch, N. J.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Nilson-Miller Co., Hoboken, N. J.
Sandwich Mfg. Co., Sandwich, Ill.
Wiard Plow Co., Batavia, N. Y.
Worthington Pump and Machinery Corp., New York.

Rams, Hydraulic.

Deming Co., Salem, Ohio.
Goulds Mfg. Co., Seneca Falls, N. Y.
Watson-Stillman Co., New York.

Ranges.

(See also Stoves, Coal and Wood.)
American Stove Co., St. Louis, Mo.
Beckwith Co., Dowagiac, Mich.
Buckwalter Stove Co., Royersford, Pa.
Cole Mfg. Co., Chicago, Ill.
Continental Stove Co., Inc., Richmond, Va.
Co-Operative Foundry Co., Rochester, N. Y.
Abram Cox Stove Co., Philadelphia, Pa.
Detroit Stove Works, Detroit, Mich.
Favorite Stove and Range Co., Piqua, O.
Floyd-Wells Co., Royersford, Pa.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren Co., Troy, N. Y.
Gas Engine and Power Co. & Charles L. Seabury & Co., Consolidated, New York.
Germer Stove Co., Erie, Pa.
Bernard Gloekler Co., Pittsburgh, Pa.
Grander Stove Co., Royersford, Pa.
Malleable Iron Range Co., Beaver Dam, Wis.
Michigan Stove Co., Detroit, Mich.
O. K. Stove and Range Co., Inc., Louisville, Ky.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Portsmouth Stove and Range Co., Portsmouth, Ohio.
Richardson & Boynton Co., New York.
Southard Robertson Co., New York.
Stamford Foundry Co., Stamford, Conn.

Ranges—Cont.

Union Stove Works, New York.
H. Wetter Mfg. Co., Memphis, Tenn.
Wrought Iron Range Co., St. Louis, Mo.

Ranges, Gas.

(See Stoves, Gas.)

Rattan Seatings.

Hale & Kilburn Co., Philadelphia, Pa.

Rawhide Blanks.

Holbrook Raw Hide Co., Providence, R. I.

Razors.

Challenge Cutlery Corp., Bridgeport, Conn.

Razors, Safety.

Autoyre Co., Oakville, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.

Reamers.

Baush Machine Tool Co., Springfield, Mass.
Clark Equipment Co., Buchanan, Mich.
Cleveland Milling Machine Co., Cleveland, Ohio.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Cleveland Twist-Drill Co., Cleveland, Ohio.
Detroit Twist Drill Co., Detroit, Mich.
Gisholt Machine Co., Madison, Wis.
Greenfield Tap and Die Corp., Greenfield, Mass.
Morse Twist Drill and Machine Co., New Bedford, Mass.
H. Mueller Mfg. Co., Decatur, Ill.
National Twist Drill and Tool Co., Detroit, Mich.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.
Standard Tool Co., Cleveland, Ohio.
James Swan Co., Seymour, Conn.
United States Bung Mfg. Co., Brooklyn, N. Y.
Van Dorn Electric Tool Co., Clevelnad, O.
Whitman & Barnes Mfg. Co., Akron, O.

Reapers and Binders.

Holt Mfg. Co., Stockton, Cal.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Receivers, Air.

L. O. Koven & Brother, Jersey City, N. J.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Worthington Pump and Machinery Corp., New York.

Receivers, Welded.

Continental Iron Works, Brooklyn, N. Y.

Receivers, Wireless Telegraph.

Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., New York.

Recorders, Time and Cost.

Computing-Tabulating-Recording Co., New York.

Reels, Bolting.

(See Bolters and Graders for Flour.)

Reels, Clothes Line.

John Sommer Faucet Co., Newark, N. J.

Reels, Hose.

McKinnon Dash Co., Buffalo, N. Y.

Reels, Yarn.

Easton & Burnham Machine Co., Pawtucket, R. I.

Refiners, Gold and Silver.

Baker & Co., Inc., Newark, N. J.
Handy & Harman, New York.

Refiners, Platinum.

Baker & Co., Inc., Newark, N. J.
Handy & Harman, New York.

Reflectors.

(See also Shades, Gas and Electric Light.)

Crouse-Hinds Co., Syracuse, N. Y.
Faries Mfg. Co., Decatur, Ill.
Harvey Hubbell, Inc., Bridgeport, Conn.
Macbeth-Evans Glass Co., Pittsburgh, Pa.

Reflectors, Silvered Glass.

Gill Brothers, Steubenville, Ohio.

Refrigerator Linings, Porcelain Enamel.

Ingram-Richardson Mfg. Co., Beaver Falls, Pa.

Refrigerators.

Alaska Refrigerator Co., Muskegon, Mich.
Brecht Co., St. Louis, Mo.
C. H. Brownell, Peru, Ind.
Challenge Refrigerator Co., Grand Haven, Mich.
D. Eddy & Sons Co., Boston, Mass.
McCray Refrigerator Co., Kendallville, Ind.
McKee Refrigerator Co., Brooklyn, N. Y.
Maine Mfg. Co., Nashua, N. H.
White Enamel Refrigerator Co., St. Paul, Minn.

Registering Machines.

(See Machines, Registering.)

Registers, Account.

McCaskey Register Co., Alliance, Ohio.

Registers, Autographic.

Calculagraph Co., New York.
Egry Register Co., Dayton, Ohio.
Gaynor Mfg. Co., Bridgeport, Conn.
National Cash Register Co., Dayton, Ohio.

Registers, Cash.

National Cash Register Co., Dayton, Ohio.

Registers, Hot Air.

Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.

Registers, Street Car.

Ohmer Fare Register Co., Dayton, Ohio.

Registers, Time.

Calculagraph Co., New York.
Computing-Tabulating-Recording Co., New York.
Gisholt Machine Co., Madison, Wis.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Slocum, Avram & Slocum, Inc., New York.

Regulators, Damper.

American District Steam Co., North Tonawanda, N. Y.

Regulators, Electric.

Cutler-Hammer Mfg. Co., Milwaukee, Wis.
General Electric Co., Schenectady, N. Y.

Regulators, Feed-Water.
American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Foster Engineering Co., Newark, N. J.

Regulators, Gas Pressure.
Bishop-Babcock-Becker Co., Cleveland, O.
Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Connersville Blower Co., Connersville, Ind.
Equitable Meter Co., Pittsburgh, Pa.
Foster Engineering Co., Newark, N. J.
H. Mueller Mfg. Co., Decatur, Ill.
Sprague Meter Co., Bridgeport, Conn.
Wittemann Co., Buffalo, N. Y.

Regulators, Pump Pressure.
(See Governors, Pump.)

Regulators, Steam.
American District Steam Co., North Tonawanda, N. Y.
Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Foster Engineering Co., Newark, N. J.
Gardner Governor Co., Quincy, Ill.
H. Mueller Mfg. Co., Decatur, Ill.

Regulators, Water Pressure.
American District Steam Co., North Tonawanda, N. Y.
Foster Engineering Co., Newark, N. J.
H. Mueller Mfg. Co., Decatur, Ill.
Wittemann Co., Buffalo, N. Y.

Religious Emblems.
Gorham Co., New York.
Irons & Russell Co., Providence, R. I.
Wightman & Hough Co., Providence, R. I.
Wright Mfg. Co., Philadelphia, Pa.

Relishes.
American Preserve Co., Philadelphia, Pa.
Joseph Campbell Co., Camden, N. J.
Curtice Brothers Co., Rochester, N. Y.
E. R. Durkee & Co., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Inc., Chicago, Ill.
Loudon Packing Co., Terre Haute, Ind.
Stickney & Poor Spice Co., Boston, Mass.

Resaws, Band.
McDonough Mfg. Co., Eau Claire, Wis.
William B. Mershon & Co., Saginaw, Mich.

Resistance Alloys.
(See Alloys, Resistance.)

Retorts, Gas.
Didier-March Co., Keasbey, N. J.

Revolvers.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Harrington & Richardson Arms Co., Worcester, Mass.
Smith & Wesson, Springfield, Mass.

Rheostats.
(See Regulators, Electric.)

Ribbons, Cigar.
William Wicke Ribbon Co., Glendale, N. Y.

Ribbons, Silk.
Julius Brandes Mfg. Co., Paterson, N. J.
Carson Pirie Scott & Co., Chicago, Ill.
F. J. Day & Co., Paterson, N. J.
Frank & Dugan, New York.

Ribbons, Silk—Cont.
John Hand & Sons, Inc., Paterson, N. J.
Holzman Silk Mfg. Co., Paterson, N. J.
Kaltenbach & Stephens, Newark, N. J.
Mapele Silk Mfg. Co., Paterson, N. J.
National Ribbon Co., New York.
Pelgram & Meyer, New York.
Phoenix Silk Mfg. Co., Paterson, N. J.
R. & H. Simon Co., Union Hill, N. J.
Smith & Kaufmann, New York.
Star Ribbon Mfg. Co., Astoria, N. Y.
John N. Stearns Co., New York.
William Wicke Ribbon Co., New York.

Ribbons, Typewriter.
American Writing Machine Co., Inc., New York.
Ault & Wiborg Co., Cincinnati, Ohio.
Carter's Ink Co., Boston, Mass.
Kee Lox Mfg. Co., Rochester, N. Y.
S. S. Stafford, Inc., New York.
F. S. Webster Co., Boston, Mass.

Ribbons, Velvet.
Sidney Blumenthal & Co., New York.
Carson Pirie Scott & Co., Chicago, Ill.
Pelgram & Meyer, New York.
Star Ribbon Mfg. Co., Astoria, N. Y.

Rice and Rice Products.
B. Fischer & Co., New York.

Rifles.
Remington Arms-Union Metallic Cartridge Co., New York.
Savage Arms Co., Utica, N. Y.
Winchester Repeating Arms Co., New Haven, Conn.

Rims, Bicycle and Automobile (Steel).
Cleveland Welding and Mfg. Co., Cleveland, Ohio.
Crane & MacMahon, Inc., New York.
Firestone Tire & Rubber Co., Akron, Ohio.
Hydraulic Pressed Steel Co., Cleveland, O.
Kelsey Wheel Co., Detroit, Mich.
Standard Welding Co., Cleveland, Ohio.

Rings, Curtain.
American Ring Co., New York.

Rings, Gold.
Durand & Co., Newark, N. J.
Jung & Klitz, New York.
Kautzmann & Co., Newark, N. J.
Ostby & Barton Co., Providence, R. I.
E. L. Spencer Co., Inc., Providence, R. I.
Waite, Thresher Co., Providence, R. I.
Wiegand & Co., Newark, N. J.

Rings, Gold Filled and Plated.
Ostby & Barton Co., Providence, R. I.

Rings, Harness.
Eberhard Mfg. Co., Cleveland, Ohio.
Elbel Co., Canton, Ohio.
Frazer & Jones Co., Syracuse, N. Y.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.

Rings, Piston.
Piston Ring Co., Muskegon, Mich.
Teeter Hartley Motor Co., Hagerstown, Ind.

Rings, Rubber.

Acme Rubber Mfg. Co., Trenton, N. J.
H. O. Canfield Co., Bridgeport, Conn.
Empire Rubber and Tire Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.

Riveters, Hydraulic.

Alliance Machine Co., Alliance, Ohio.
Mesta Machine Co., Pittsburg, Pa.

Riveters, Pneumatic.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.

Riveters, Rotary Blow.

F. B. Shuster Co., New Haven, Conn.
H. P. Townsend Mfg. Co., Hartford, Conn.

Riveters, Steam.

Mesta Machine Co., Pittsburgh, Pa.

Rivets, Boiler.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Columbus Bolt Works, Columbus, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
S. Severance Mfg. Co., Glassport, Pa.
Upson Nut Co., Cleveland, Ohio.

Rivets, Brass, German Silver and Aluminum.

John Hassall, Inc., Brooklyn, N. Y.

Rivets, Copper.

American Brass Co., Waterbury, Conn.
John Hassall, Inc., Brooklyn, N. Y.
Plume & Atwood Mfg. Co., New York.
Rome Brass and Copper Co., Rome, N. Y.

Rivets, Iron and Steel.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Atlas Bolt and Screw Co., Cleveland, O.
Columbus Bolt Works, Columbus, Ohio.
Graham Nut Co., Pittsburgh, Pa.
John Hassall, Inc., Brooklyn, N. Y.
Hoopes & Townsend Co., Philadelphia, Pa.
Inland Steel Co., Chicago, Ill.
Kirk-Latty Mfg. Co., Cleveland, Ohio.
Lamson & Sessions Co., Cleveland, Ohio.
National Screw and Tack Co., Cleveland, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
S. Severance Mfg. Co., Glassport, Pa.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, Ohio.

Rivets, Tubular and Pronged.

Tubular Rivet and Stud Co., Boston, Mass.

Roach Food.

C. B. Dolge Co., Westport, Conn.
William Peterman, Inc., New York.

Road Oilers.

Austin Mfg. Co., Chicago, Ill.
Studebaker Corp. of America, South Bend, Ind.

Roasters, Peanut.

Holcomb & Hoke Mfg. Co., Indianapolis, Ind.

Rocking Chairs.

(See Chairs.)

Rods, Extension.

Turner & Seymour Mfg. Co., Torrington, Conn.

Roll Grinders.

Farrell Foundry and Machine Co., Ansonia, Conn.
Sturtevant Mill Co., Boston, Mass.

Rollers, Land and Road.

Austin Mfg. Co., Chicago, Ill.
Emerson-Brantingham Co., Rockford, Ill.
Galion Iron Works and Mfg. Co., Galion, Ohio.
Johnston Harvester Co., Batavia, N. Y.
Smith & Sons Mfg. Co., Kansas City, Mo.
A. L. Swett Iron Works, Medina, N. Y.

Rollers, Shade and Blind.

Columbia Mills, Inc., New York.
C. Cowles & Co., New Haven, Conn.
Stewart Hartshorn Co., New York.
Haviland Shade Roller Co., New York.
William Volker & Co., Kansas City, Mo.

Rollers, Steam Road.

J. I. Case Threshing Machine Co., Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
Huber Mfg. Co., Marion, Ohio.

Rolling Mill Equipment.

Ajax Mfg. Co., Cleveland, Ohio.
Alliance Machine Co., Alliance, Ohio.
Birmingham Iron Foundry, Derby, Conn.
Damascus Bronze Co., Pittsburgh, Pa.
Lewis Foundry and Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
Seaman-Sleeth Co., Pittsburgh, Pa.
United Engineering and Foundry Co., Pittsburgh, Pa.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.
Wheeling Mold and Foundry Co., Wheeling, W. Va.

Rolling Mills, Brass and Copper.

Farrell Foundry and Machine Co., Ansonia, Conn.
United Engineering and Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Rolls, "Adamite".

United Engineering and Foundry Co., Pittsburgh, Pa.

Rolls, Chilled.

Bass Foundry and Machine Co., Fort Wayne, Ind.
Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry and Machine Co., Ansonia, Conn.
Lewis Foundry and Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
Seaman-Sleeth Co., Pittsburgh, Pa.

Rolls, Chilled—Cont.

United Engineering and Foundry Co., Pittsburgh, Pa.
Wheeling Mold and Foundry Co., Wheeling, W. Va.

Rolls, Coal and Ore Breaker.

Colorado Iron Works Co., Denver, Colo.
Farrell Foundry and Machine Co., Ansonia, Conn.
Kent Mill Co., Brooklyn, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.
Sturtevant Mill Co., Boston, Mass.
Traylor Engineering and Mfg. Co., Allentown, Pa.

Rolls, Plate Bending.

(See also Machinery, Bending.)

Long & Allstatter Co., Hamilton, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., New York.
United Engineering and Foundry Co., Pittsburgh, Pa.
Wickes Brothers, Saginaw, Mich.

Rolls, Player-Piano.

Æolian Co., Meriden, Conn.
Melville Clark Piano Co., Chicago, Ill.
Starr Piano Co., Richmond, Ind.
Wilcox & White, Meriden, Conn.

Rolls, Rubber Covered.

Beloit Iron Works, Beloit, Wis.
B. F. Goodrich Co., Akron, Ohio.
Gutta Percha and Rubber Mfg. Co., New York.

Rolls, Steel.

Mesta Machine Co., Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
Railway Steel-Spring Co., New York.
United Engineering and Foundry Co., Pittsburgh, Pa.
Wheeling Mold and Foundry Co., Wheeling, W. Va.

Rolls, Tube Mill.

Bonnot Co., Canton, Ohio.
United Engineering and Foundry Co., Pittsburgh, Pa.

Roof Deck.

United States Gypsum Co., Chicago, Ill.

Roofing, Car.

John Boyle & Co., Inc., New York.
Chicago-Cleveland Car Roofing Co., Chicago, Ill.
H. W. Johns-Manville Co., New York.

Roofing, Iron and Steel.

Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
Edwards Mfg. Co., Cincinnati, Ohio.
Inland Steel Co., Chicago, Ill.
Klauer Mfg. Co., Dubuque, Iowa.
La Belle Iron Works, Steubenville, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Meurer Bros. Co., Brooklyn, N. Y.
Reeves Mfg. Co., Dover, Ohio.
Wheeling Metal and Mfg. Co., Wheeling, W. Va.
Whitaker-Glessner Co., Wheeling, W. Va.

Roofing, Prepared.

Baltimore Roofing and Asbestos Mfg. Co., Ashestos, Md.
Barrett Co., New York.
John Boyle & Co., Inc., New York.
Philip Carey Mfg. Co., Lockland, Ohio.
Certain-teed Products Corp., St. Louis, Mo.
H. W. Johns-Manville Co., New York.
Keystone Roofing Mfg. Co., York, Pa.
National Roofing Co., Tonawanda, N. Y.
Paraffine Paint Co., San Francisco, Cal.
Pioneer Paper Co., Inc., Los Angeles, Cal.
Standard Paint Co., New York.

Roofing, Terne Plate.

Merchant & Evans Co., Philadelphia, Pa.
Wheeling Metal and Mfg. Co., Wheeling, W. Va.

Rope, Copper Wire.

Standard Underground Cable Co., Pittsburgh, Pa.

Rope, Cotton.

(See Cordage, Cotton.)

Rope Drives.

Dodge Mfg. Co., Mishawaka, Ind.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Meese & Gottfried Co., San Francisco, Cal.
Mesta Machine Co., Pittsburgh, Pa.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Whitlock Cordage Co., New York.

Rope, Hemp.

(See Cordage, Hemp and Sisal.)

Rope, Jute.

(See Cordage, Jute.)

Rope, Manila.

(See Cordage, Hemp and Sisal.)

Rope, Rawhide.

Charles A. Schieren Co., New York.

Rope, Wire.

(See Cordage, Wire.)

Rope, Wire (Phosphor-Bronze)

Driver-Harris Wire Co., Harrison, N. J.

Rosin.

Gulf Lumber Co., East St. Louis, Ill.

Rubber Bands.

Davol Rubber Co., Providence, R. I.
Empire Rubber and Tire Co., Trenton, N.J.
Endurance Tire and Rubber Co., New York.
Eberhard Faber, Brooklyn, N. Y.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hodgman Rubber Co., Tuckahoe, N. Y.
Parker, Stearns & Co., Brooklyn, N. Y.

Rubber Cloth.

Acme Rubber Mfg. Co., Trenton, N. J.
L. C. Chase & Co., Boston, Mass.
Fairfield Rubber Co., Fairfield, Conn.
B. F. Goodrich Co., Akron, Ohio.
Edmund F. Heath & Son, Newark, N. J.
Hodgman Rubber Co., Tuckahoe, N. Y.
Reading Rubber Mfg. Co., Reading, Mass.
United States Rubber Export Co., Ltd., New York.

Rubber Feet and Hands.

A. A. Marks, New York.

Rubber Goods, Hard.

American Hard Rubber Co., New York.
Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Luzerne Rubber Co., Trenton, N. J.
Joseph Stokes Rubber Co., Trenton, N. J.
Vulcanized Rubber Co., New York.
Whitall-Tatum Co., New York.

Rubber Goods, Mechanical.

Acme Rubber Mfg. Co., Trenton, N. J.
Asbestos and Rubber Works of N. J., Camden, N. J.
Buffalo Weaving and Belting Co., Buffalo, N. Y.
H. O. Canfield Co., Bridgeport, Conn.
Electric Hose and Rubber Co., Wilmington, Del.
Empire Rubber and Tire Co., Trenton,N.J.
Essex Rubber Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Gutta Percha Rubber Mfg. Co., New York.
Hamilton Rubber Mfg. Co., Trenton, N.J.
Home Rubber Co., Trenton, N. J.
Jenkins Brothers, New York.
H. Mueller Mfg. Co., Decatur, Ill.
New Jersey Car Spring and Rubber Co. Jersey City, N. J.
New York Rubber Co., Inc., New York.
Quaker City Rubber Co., Philadelphia,Pa.
Thermoid Rubber Co., Trenton, N. J.
United States Rubber Export Co., Ltd., New York.
United & Globe Rubber Mfg. Companies, Trenton, N. J.
Whitehead Brothers Rubber Co., Trenton, N. J.

Rubber Goods, Moulded.

Acme Rubber Mfg. Co., Trenton, N. J.
H. O. Canfield Co., Bridgeport, Conn.
Davol Rubber Co., Providence, R. I.
Empire Rubber and Tire Co., Trenton, N. J.
Endurance Tire and Rubber Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, Ohio.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Parker, Stearns & Co., Brooklyn, N. Y.
Quaker City Rubber Co., Philadelphia, Pa.
Thermoid Rubber Co., Trenton, N. J.
United States Rubber Export Co., Ltd., New York.
Vulcanized Rubber Co., New York.
Whitall Tatum Co., New York.

Rubber, Reclaimed.

F. H. Appleton & Son, Inc., Boston, Mass.
Philadelphia Rubber Works Co., Philadelphia, Pa.
Rubber Regenerating Co., Naugatuck, Conn.
United States Rubber Reclaiming Co., New York.

Rubber Shoes.

(See Boots and Shoes, Rubber.)

Rubber Substitutes.

Corn Products Refining Co., New York.
Stamford Rubber Supply Co., Stamford, Conn.

Rubber Sundries.

Acme Rubber Mfg. Co., Trenton, N. J.
H. O. Canfield Co., Bridgeport, Conn.
Davol Rubber Co., Providence, R. I.
Endurance Tire and Rubber Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hodgman Rubber Co., Tuckahoe, N. Y.
Lee Tire and Rubber Co., Conshohocken, Pa.
New York Rubber Co., Inc., New York.
Parker, Stearns & Co., Brooklyn, N. Y.
Vulcanized Rubber Co., New York.
Whitall-Tatum Co., New York.

Rubber Tiling.

(See Tiling, Rubber.)

Rubber Tips for Crutches.

Foster Rubber Co., Boston, Mass.
B. F. Goodrich Co., Akron, Ohio.
A. A. Marks, New York.

Rubber Tires.

(See Tires, Pneumatic; also Tires, Solid Rubber.)

Rubbers, Pedal.

B. F. Goodrich Co., Akron, Ohio.
Mattson Rubber Co., Lodi, N. J.

Rubstones.

(See Hones.)

Rugs (Made to order).

Persian Rug Manufactory, New York.

Rugs, Bath.

John Bromley & Sons, Philadelphia, Pa.
W. H. & A. E. Margerison & Co., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Star & Crescent Co., Philadelphia, Pa.
Ward-Meehan Co., Philadelphia, Pa.

Rugs, Brussels.

Bigelow-Hartford Carpet Co., Thomasville, Conn.
Thomas Develon, Jr., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Shuttleworth Brothers Co., Amsterdam, N. Y.
W. J. Whittall Associates, Worcester, Mass.

Rugs, Carriage.

(See Lap Robes and Dusters.)

Rugs, Chenille.

Crawshaw Carpet Co., Newburgh, N. Y.
Thomas L. Leedom Co., Bristol, Pa.
McCleary, Wallin & Crouse, Amsterdam, N. Y.
W. J. Whittall Associates, Worcester, Mass.

Rugs, Grass.

Crex Carpet Co., New York.

Rugs, Jute.

(See Carpets, Jute.)

Rugs, Smyrna.

John Bromley & Sons, Philadelphia, Pa.
Crawshaw Carpet Co., Newburgh, N. Y.
Thomas L. Leedon Co., Bristol, Pa.
Joseph Wild & Co., New York.

Rugs, Steamer.

Thomas Kelly & Co., Boston, Mass.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co., Duluth, Minn.
Peace Dale Mfg. Co., Peace Dale, R. I.
Pendleton Woolen Mills, Inc., Pendleton, Oregon.

Rugs, Tapestry.

Beattie Mfg. Co., Little Falls, N. J.
McCleary, Wallin & Crouse, Amsterdam, N. Y.
C. H. Masland & Sons, Inc., Philadelphia, Pa.
Newburgh Carpet Co., Newburgh, N. Y.
Roxbury Carpet Co., Boston, Mass.

Rugs, Wilton, Velvet, Etc.

Beattie Mfg. Co., Little Falls, N. J.
Bigelow-Hartford Carpet Co., Thomasville, Conn.
Sidney Blumenthal & Co., Inc., New York.
John Bromley & Sons, Phildelphia, Pa.
Thomas Develon, Jr., Philadelphia, Pa.
Dornan Brothers, Philadelphia, Pa.
Thomas L. Leedom Co., Bristol, Pa.
McCleary, Wallin & Crouse, Amsterdam, N. Y.
C. H. Masland & Sons, Inc., Philadelphia, Pa.
Newburgh Carpet Co., Newburgh, N. Y.
Roxbury Carpet Co., Boston, Mass.
Schofield, Mason & Co., Philadelphia, Pa.
Shuttleworth Brothers Co., Amsterdam, N. Y.
W. J. Whittall Associates, Worcester, Mass.
Joseph Wild & Co., New York.

Rules, Steel.

L. S. Starrett Co., Athol, Mass.

Rules, Wooden, Mechanics'.

Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.

Saccharine.

Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.

Sad Irons.

Bless & Drake, Newark, N. J.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Sad Irons, Electric.

Chicago Flexible Shaft Co., Chicago, Ill.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Rochester Stamping Co., Rochester, N. Y.

Sad Irons, Gas.

Bless & Drake, Newark, N. J.
Wm. M. Crane Co., New York.
West Side Foundry Co., Troy, N. Y.

Saddlery.

Atchison Saddlery Co., Atchison, Kans.
Cottrell Saddlery Co., Inc., Richmond, Va.
Dodson, Fisher, Brockmann Co., Minneapolis, Minn.
Harbison & Gathright, Louisville, Ky.
Marshall-Wells Hardware Co., Duluth, Minn.
Perkins-Campbell Co., Cincinnati, Ohio.
Smith-Worthington Co., Hartford, Conn.
Montgomery Ward & Co., Chicago, Ill.

Saddlery Goods, Web.

Buffalo Weaving and Belting Co., Buffalo, N. Y.
Hope Webbing Co., Providence, R. I.

Saddlery Hardware.

(See Hardware, Saddlery.)

Safes and Vaults.

Corbin Cabinet Lock Co., New Britain, Conn.
Hall's Safe Co., Cincinnati, Ohio.
Herring-Hall-Marvin Safe Co., New York.
Macey Co., Grand Rapids, Mich.
Safe-Cabinet Co., Marietta, Ohio.
York Safe and Lock Co., York, Pa.

Safety Devices, Railway.

Buda Company, Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Klaxon Co., Newark, N. J.
Union Switch and Signal Co., Swissvale, Pa.

Sal Ammoniac.

Grasselli Chemical Co., New York.
Merck & Co., New York.

Sal Hepatica.

Bristol-Meyers Co., Brooklyn, N. Y.

Salamanders.

American Can Co., New York.

Salol.

Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Salt.

Colonial Salt Co., Akron, Ohio.
Diamond Crystal Salt Co., St. Clair, Mich.
International Salt Co. of N. Y., Scranton, Pa.
Alexander Kerr, Bro. & Co., Philadelphia, Pa.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Solvay Process Co., Syracuse, N. Y.

Salt Cake.

Contact Process Co., Buffalo, N. Y.
General Chemical Co., New York.
Grasselli Chemical Co., Cleveland, Ohio.
Franklin H. Kalbfleisch Co., New York.

Saltpetre.

Merck & Co., New York.

Salts, Medicinal.

Bristol-Myers Co., Brooklyn, N. Y.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Ohio Chemical and Mfg. Co., Cleveland, O.
Parke, Davis & Co., Detroit, Mich.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Charles Pfizer & Co., Inc., New York.

Salts, Smelling.

Sunset Soap Dye Co., New Rochelle, N. Y.

Sand and Flint Paper and Cloth.

Herman Behr & Co., New York.
Frank B. Graves Co., Albany, N. Y.
Hollingsworth & Vose Co., Boston, Mass.

Sanitary Fittings, Marine.

Jenkins Mfg. Co., Bloomfield, N. J.

Sash, Metal.

(See Window Frames and Sash, Metal.)

Sash Weights.

(See Weights, Sash.)

Sash, Wood.

(See Doors, Sash and Blinds.)

Sateens.

Ancona Company, Fall River, Mass.
Davol Mills, Fall River, Mass.
King Philip Mills, Fall River, Mass.
Lesher, Whitman & Co., New York.
Millville Mfg. Co., Philadelphia, Pa.
Salmon Falls Mfg. Co., Boston, Mass.
Warren Mfg. Co., Warren, R. I.

Satins.

Belding Brothers & Co., New York.
Brainerd & Armstrong Co., New London, Conn.
Brilliant Silk Mfg. Co., New York.
Cardinal & Becker, Paterson, N. J.
Cheney Brothers, South Manchester, Conn.
D. G. Dery, Allentown, Pa.
Goetz Silk Mfg. Co., Holyoke, Mass.

Sauces, Table.

American Preserve Co., Philadelphia, Pa.
Curtice Brothers Co., Rochester, N. Y.
E. R. Durkee & Co., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Inc., Chicago, Ill.
E. Pritchard, New York.

Saw Bucks.

Henry Disston & Sons, Inc., Philadelphia, Pa.

Saw Dust.

John Sommer Faucet Co., Newark, N. J.
F. M. West Box Co., Springfield, Mass.

Saw Frames.

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Dikeman Mfg. Co., Norwalk, Conn.
Henry Disston & Sons, Inc., Philadelphia, Pa.

Saw Frames—Cont.

A. B. Farquhar & Co., New York.
Lane Mfg. Co., Montpelier, Vt.
Millers Falls Co., Millers Falls, Mass.
West Haven Mfg. Co., New Haven, Conn.

Saw Mills, Portable.

Aultman & Taylor Machinery Co., Mansfield, Ohio.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
J. A. Fay & Egan Co., Cincinnati, Ohio.
Frick Co., Waynesboro, Pa.
Lane Mfg. Co., Montpelier, Vt..
McDonough Mfg. Co., Eau Claire, Wis.
Wm. B. Mershon & Co., Saginaw, Mich.
Worthington Pump and Machinery Corp., New York.

Saw Mills, Stationary.

American Wood Working Machinery Co., Rochester, N. Y.
A. B. Farquhar & Co., New York.
Lane Mfg. Co., Montpelier, Vt..
McDonough Mfg. Co., Eau Claire, Wis.
Wm. B. Mershon & Co., Saginaw, Mich.

Sawing Machines for Metal.

(See Machines, Metal Sawing, Hot and Cold.)

Saws, Band, Drag and Circular.

American Wood Working Machinery Co., Rochester, N. Y.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.
J. A. Fay & Egan Co., Cincinnati, Ohio.
Frick Co., Waynesboro, Pa.
Hunter Saw and Machine Co., Pittsburgh, Pa.
Lane Mfg. Co., Montpelier, Vt..
McDonough Mfg. Co., Eau Claire, Wis.
Wm. B. Mershon & Co., Saginaw, Mich.
Mesta Machine Co., Pittsburgh, Pa.
Silver Mfg. Co., Salem, Ohio.
Simonds Mfg. Co., Fitchburg, Mass.
H. B. Smith Machine Co., Smithville, N.J.

Saws, Hack.

E. C. Atkins & Co., Indianapolis, Ind.
Clemson Brothers, Middletown, N. Y.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Dikeman Mfg. Co., Norwalk, Conn.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Hunter Saw and Machine Co., Pittsburgh, Pa.
Millers Falls Co., Millers Falls, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
L. S. Starrett Co., Athol, Mass.
West Haven Mfg. Co., New Haven, Conn.

Saws, Hand.

E. C. Atkins & Co., Indianapolis, Ind.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Dikeman Mfg. Co., Norwalk, Conn.
Henry Disston & Sons, Inc., Philadedphia, Pa.
Millers Falls Co., Millers Falls, Mass.
Sargent & Co., New York.
Simonds Mfg. Co., Fitchburg, Mass.

Saws, Ice.

John Chatillon & Sons, Inc., New York.
Henry Disston & Sons, Inc., Philadelphia, Pa.

Saws, Scroll.

Simonds Mfg. Co., Fitchburg, Mass.
Trump Brothers Machine Co., Wilmington, Del.

Saws, Shingle.

Lane Mfg. Co., Montpelier, Vt.
Trevor Mfg. Co., Lockport, N. Y.

Saws, Slate.

Elyria Iron and Steel Co., Elyria, Ohio.
Hunter Saw and Machine Co., Pittsburgh, Pa.

Scalers, Pneumatic Boiler.

Thomas H. Daflett Co., Philadelphia, Pa.

Scales, Computing.

Computing-Tabulating-Recording Co., New York.
Detroit Scale Mfg. Co., Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.

Scales, Counter.

John Chatillon & Sons, New York.
Computing-Tabulating-Recording Co., New York.
Detroit Scale Mfg. Co., Detroit, Mich.
Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Jones of Binghamton, Binghamton, N Y.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scales, Platform.

John Chatillon & Sons, New York.
Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Jones of Binghamton, Binghamton, N. Y.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scales, Railroad Track.

Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Jones of Binghamton, Binghamton, N. Y.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scales, Recording Attachment for.

John Chatillon & Sons, New York.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scales, Spring Balance.

John Chatillon & Sons, New York.
Fairbanks Co., New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scales, Truck.

Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Standard Scale and Supply Co., Ltd., Pittsburgh, Pa.

Scarfs, Knitted.

Phoenix Knitting Works, Milwaukee, Wis.

School Supplies.

A. H. Andrews Co., Chicago, Ill.
Beaver Board Companies, Buffalo, N. Y.
Binney & Smith Co., New York.
J. C. Blair Co., Huntingdon, Pa.
Everett Pulp and Paper Co., Everett, Wash.
Kroma Color Co., Sandusky, Ohio.
New York Silicate Book Slate Co., New York.
Rand, McNally & Co., Chicago, Ill.
Reynolds & Reynolds Co., Dayton, Ohio.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Scoops, Metal.

Ames Shovel and Tool Co., Boston, Mass.
Duluth Corrugating and Roofing Co., Duluth, Minn.
F. E. Kohler Co., Canton, Ohio.
Pittsburgh Shovel Co., Pittsburgh, Pa.
Wood Shovel and Tool Co., Piqua, Ohio.

Scoops, Wooden.

John Sommer Faucet Co., Newark, N. J.

Scourers of Yarns.

(See Dyers and Finishers of Yarns.)

Scrapers, Box and Cabinet.

Dikeman Mfg. Co., Norwalk, Conn.
Sargent & Co., New York.
L. A. Sayre Co., Newark, N. J.
Stanley Rule and Level Co., New Britain, Conn.

Scrapers, Hide.

L. A. Sayre Co., Newark, N. J.

Scrapers, Pot and Kettle.

F. E. Kohler Co., Canton, Ohio.

Scrapers, Road and Drag.

American Steel Scraper Co., Sidney, Ohio.
Galion Iron Works and Mfg. Co., Galion, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.
Lansing Company, Lansing, Mich.
Smith & Sons Mfg. Co., Kansas City, Mo.
Syracuse Chilled Plow Co., Syracuse, N.Y.
Toledo Wheelbarrow Co., Toledo, Ohio.
Western Wheeler Scraper Co., Aurora, Ill.

Scrapers, Sidewalk.

F. E. Kohler Co., Canton, Ohio.

Screens, Coal.

C. O. Bartlett & Snow Co., Cincinnati, O.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Stephens-Adamson Mfg. Co., Aurora, Ill.
W. S. Tyler Co., Cleveland, Ohio.
Worthington Pump and Machinery Corp., New York.

Screens, Perforated Metal.

American Clay Machinery Co., Bucyrus, O.
C. O. Bartlett & Snow Co., Cincinnati, O.
Colorado Iron Works Co., Denver, Colo.
Duncan Foundry and Machine Works, Alton, Ill.
Jeffrey Mfg. Co., Columbus, Ohio.
Kent Mill Co., Brooklyn, N. Y.
Link-Belt Co., Chicago, Ill.

Screens, Perforated Metal—Cont.

Meese & Gottfried Co., San Francisco, Cal.
Michigan Wire Cloth Co., Detroit, Mich.
Sturtevant Mill Co., Boston, Mass.
Traylor Engineering and Mfg. Co., Allentown, Pa.

Screens, Window.

Curtis, Towle & Paine Co., Lincoln, Neb.
Higgin Mfg. Co., Newport, Ky.
Michigan Wire Cloth Co., Detroit, Mich.
Owosso Mfg. Co., Owosso, Mich.
Taylor & Dean, Pittsburgh, Pa.
John F. Wilcox Co., Minneapolis, Minn.

Screens, Wire.

Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Higgin Mfg. Co., Newport, Ky.
Michigan Wire Cloth Co., Detroit, Mich.
W. S. Tyler Co., Cleveland, Ohio.
Wright Wire Co., Worcester, Mass.

Screw Iron.

Westerman & Co., Lockport, N. Y.

Screw Machine Products.

Atlas Bolt and Screw Co., Cleveland, Ohio.
Eagle Mfg. Co., Cincinnati, Ohio.
Eastern Machine Screw Corp., New Haven, Conn.
Ferry Cap and Set Screw Co., Cleveland, Ohio.
Greist Mfg. Co., New Haven, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Mattatuck Mfg. Co., Waterbury, Conn.
Meisel Press Mfg. Co., Boston, Mass.
National-Acme Mfg. Co., Cleveland, Ohio.
New Haven Screw Co., New Haven, Conn.
Peninsular Milled Screw Co., Detroit, Mich.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Standard Screw Co., Chicago, Ill.
Western Automatic Machine Screw Co., Elyria, Ohio.
Westfield Mfg. Co., Westfield, Mass.

Screw Plates.

Champion Blower and Forge Co., Lancaster, Pa.
Greenfield Tap and Die Corp., Greenfield, Mass.
Morse Twist Drill and Machine Co., New Bedford, Mass.

Screw Steel.

C. Pardee Works, Perth Amboy, N. J.

Screw Tops.

Aluminum Goods Mfg. Co., Manitowoc, Wis.
American Can Co., New York.
American Metal Cap Co., Brooklyn, N. Y.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Hazel-Atlas Glass Co., Wheeling, W. Va.
William Vogel & Bro., Inc., Brooklyn, N. Y.
Wheeling Stamping Co., Wheeling, W. Va.

Screwdrivers.

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Excelsior Needle Co., Torrington, Conn.
Russell Jennings Mfg. Co., Chester, Conn.
Millers Falls Co., Millers Falls, Mass.
North Bros. Mfg. Co., Philadelphia, Pa.
Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.
James Swan Co., Seymour, Conn.
United States Electrical Tool Co., Cincinnati, Ohio.
Vlchek Tool Co., Cleveland, Ohio.

Screws, Coach and Lag.

Columbus Bolt Works, Columbus, Ohio.
Corbin Screw Corp., New Britain, Conn.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Philadelphia, Pa.
National-Acme Mfg. Co., Cleveland, Ohio.
National Screw and Tack Co., Cleveland, Ohio.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., St. Louis, Mo.
Scranton Bolt and Nut Co., Scranton, Pa.
Southern California Iron and Steel Co., Los Angeles, Cal.

Screws, Machine and Set.

Allen Mfg. Co., Hartford, Conn.
American Screw Co., Providence, R. I.
Atlas Bolt and Screw Co., Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Detroit Screw Works, Detroit, Mich.
Ferry Cap and Set Screw Co., Cleveland, Ohio.
Hartford Machine Screw Co., Hartford, Conn.
William H. Haskell Mfg. Co., Pawtucket, R. I.
John Hassall, Inc., Brooklyn, N. Y.
Harvey Hubbell, Inc., Bridgeport, Conn.
National-Acme Mfg. Co., Cleveland, Ohio.
National Screw and Tack Co., Cleveland, Ohio.
New Haven Screw Co., New Haven, Conn.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., St. Louis, Mo.
Standard Screw Co., Chicago, Ill.
Standard Tool Co., Cleveland, Ohio.

Screws, Special.

Wallace Barnes Co., Bristol, Conn.
Corbin Screw Corp., New Haven, Conn.
Detroit Screw Works, Detroit, Mich.
National-Acme Mfg. Co., Cleveland, Ohio.
National Screw and Tack Co., Cleveland, Ohio.
New Haven Screw Co., New Haven, Conn.
Perry-Fay Mfg. Co., Elyria, Ohio.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Standard Screw Co., Chicago, Ill.

Screws, Wood.
American Screw Co., Providence, R. I.
Bridgeport Screw Co., Bridgeport, Conn.
Corbin Screw Corp., New Britain, Conn.
National Screw and Tack Co., Cleveland, Ohio.
Charles Parker Co., Meriden, Conn.
Perry-Fay Mfg. Co., Elyria, Ohio.

Scrubbers, Gas Works.
Stacey Bros. Gas Construction Co., Elmwood Place, Cincinnati, Ohio.

Scythes.
Kelly Axe Mfg. Co., Charleston, W. Va.

Seals, Metal.
Cary Mfg. Co., New York.

Seating, Church.
American Seating Co., Chicago, Ill.
A. H. Andrews Co., Chicago, Ill.
Theodor Kundtz Co., Cleveland, Ohio.
E. H. Stafford Mfg. Co., Chicago, Ill.

Seating, Fireproof.
(See Fireproof Seating for Railway Cars.)

Seats, Car.
(See Car Seats.)

Seeders, Hand.
S. L. Allen & Co., Philadelphia, Pa.

Seeds, Garden and Field.
W. Atlee Burpee & Co., Philadelphia, Pa.

Semolinas.
Pillsbury Flour Mills Co., Minneapolis, Minn.
Yerxa, Andrews & Thurston, Inc., Minneapolis, Minn.

Separators, Cream.
Champion Blower and Forge Co., Lancaster, Pa.
De Laval Separator Co., New York.
International Harvester Corp., Chicago, Ill.
Rock Island Plow Co., Rock Island, Ill.
Sharples Separator Co., West Chester, Pa.

Separators, Grain, Coffee and Peanut.
Huntley Mfg. Co., Silver Creek, N. Y.

Separators, Magnetic.
Huntley Mfg. Co., Silver Creek, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.

Separators, Oil.
American Tool and Machine Co., Boston, Mass.
Eliiott Co., Pittsburgh, Pa.
Harrison Safety Boiler Works, Philadelphia, Pa.
National Pipe Bending Co., New Haven, Conn.
Ohio Blower Co., Cleveland, Ohio.
Warren Webster & Co., Camden, N. J.
D. T. Williams Valve Co., Cincinnati, O.

Separators, Steam.
(See Drying Apparatus, Steam.)

Serges.
Dunn Worsted Mills, Woonsocket, R. I.
D. Goff & Sons, Pawtucket, R. I.
J. R. Keim & Co., Philadelphia, Pa.
Lawrence & Co., Boston, Mass.
Peace Dale Mfg. Co., Peace Dale, R. I.

Serums.
(See Biological Products.)

Settees.
(See Chairs.)

Sewing Machine Parts.
Greist Mfg. Co., New Haven, Conn.
New Home Sewing Machine Co., Orange, Mass.
Standard Sewing Machine Co., Cleveland, Ohio.
White Sewing Machine Co., Cleveland, O.

Sewing Machine Supplies.
Standard Sewing Machine Co., Cleveland, Ohio.
White Sewing Machine Co., Cleveland, O.

Sewing Machines.
(See Machines, Sewing.)

Shackles, Marine.
Thomas Laughlin Co., Portland, Me.

Shade Cloth.
(See Hollands, Window.)

Shade Rollers, Spring.
(See Rollers, Shade and Blind.)

Shades, Gas and Electric Light.
Faries Mfg. Co., Decatur, Ill.
Gill Bros. Co., Steubenville, Ohio.
Gillinder & Sons, Inc., Tacony, Philadelphia, Pa.
Gleason-Tiebout Glass Co., Brooklyn, N. Y.
Handel Co., Meriden, Conn.
Imperial Glass Co., Bellaire, Ohio.
Jefferson Glass Co., Follansbee, W. Va.
Lippincott Glass Co., Cincinnati, Ohio.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
W. R. Ostrander & Co., New York.
Phoenix Glass Co., Pittsburgh, Pa.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Welsbach Co., Gloucester, N. J.

Shades, Window.
Chas. W. Breneman & Co., Cincinnati, O.
Columbia Mills, Inc., New York.
Stewart Hartshorn Co., New York.

Shafting.
Bridgeport Brass Co., Bridgeport, Conn.
A. & F. Brown Co., New York.
Columbia Steel and Shafting Co., Pittsburgh, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Benjamin Eastwood Co., Paterson, N. J.
W. & A. Fletcher, Hoboken, N. J.
Frick Co., Inc., Waynesboro, Pa.
Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Lane Mfg. Co., Montpelier, Vt.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.

Shafting—Cont.

Meese & Gottfried Co., San Francisco, Cal.
Mesta Machine Co., Pittsburgh, Pa.
Moore & White Co., Philadelphia, Pa.
Naylor Bros., Peekskill, N. Y.
C. Pardee Works, Perth Amboy, N. J.
Pollak Steel Co., Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
Wyman & Gordon Co., Worcester, Mass.

Shafts, Cam.

Muskegon Motor Specialties Co., Muskegon, Mich.

Shafts for Vehicles.

Crane & MacMahon, Inc., New York.
E. A. Gillett & Sons, Boston, Mass.
Pioneer Pole and Shaft Co., Piqua, Ohio.
Von Behren Mfg. Co., Evansville, Ind.

Shapers.

American Tool Works Co., Cincinnati, O.
Fellow's Gear Shaper Co., Springfield, Vt.
Hendey Machine Co., Torrington, Conn.
Lodge & Shipley Machine Tool Co., Cincinnati, Ohio.
Morton Mfg. Co., Muskegon, Mich.
Niles-Bement-Pond Co., New York.
Potter & Johnston Machine Co., Pawtucket, R. I.
Warner & Swasey Co., Cleveland, Ohio.

Shapers, Wood.

Advance Machinery Co., Toledo, Ohio.
American Wood Working Machinery Co., Rochester, N. Y.
Cincinnati Shaper Co., Cincinnati, Ohio.
J. A. Fay & Egan Co., Cincinnati, Ohio.
H. B. Smith Machine Co., Smithville, N. J.
S. A. Woods Machine Co., South Boston, Mass.

Sharpeners, Knife and Scythe.

American Emery Wheel Works, Providence, R. I.
Carborundum Co., Niagara Falls, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Cleveland Stone Co., Cleveland, Ohio.
Norton Co., Worcester, Mass.

Sharpeners, Pencil.

Traut & Hine Mfg. Co., New Britain, Conn.
E. S. Webster Co., Boston, Mass.

Shaves, Ice.

North Bros. Mfg. Co., Philadelphia, Pa.

Shaves, Tobacco.

John B. Adt Co., Baltimore, Md.
Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio.
North Bros. Mfg. Co., Philadelphia, Pa.

Shear Blades.

A. A. Simonds & Son Co., Dayton, Ohio.

Shears, Bench.

(See also Tools, Tinsmiths'.)

John Jacques & Sons, Worcester, Mass.
J. Wiss & Sons Co., Newark, N. J.

Shears, Hydraulic.

Mesta Machine Co., Pittsburgh, Pa.
United Engineering and Foundry Co., Pittsburgh, Pa.

Shears, Power.

E. W. Bliss Co., Brooklyn, N. Y.
Champion Blower and Forge Co., Lancaster, Pa.
Lewis Foundry and Machine Co., Pittsburgh, Pa.
Long & Alstatter Co., Hamilton, Ohio.
Merrell Mfg. Co., Toledo, Ohio.
Mesta Machine Co., Pittsburgh, Pa.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., New York.
United Engineering and Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Shears and Scissors.

Acme Shear Co., Bridgeport, Conn.
Clayton Bros., Inc., New York.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
John Jacques & Son, Worcester, Mass.
J. Wiss & Sons Co., Newark, N. J.

Shears, Squaring and Rotary.

Niagara Machine and Tool Works, Buffalo, N. Y.
United Engineering and Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry and Machine Co., Waterbury, Conn.

Sheaves, Tackle Block.

A. & F. Brown Co., New York.
Thomas Laughlin Co., Portland, Me.
Medart Patent Pulley Co., St. Louis, Mo.
Stephens-Adamson Mfg. Co., Aurora, Ill.

Sheep Dip.

Merck & Co., New York.

Sheet and Plate Metal Work.

(See also Ironwork, Plate and Sheet.)

Andrews Steel Co., Newport, Ky.
Atlantic Works, East Boston, Mass.
Baker Iron Works, Los Angeles, Cal.
Bath Iron Works, Ltd., Bath, Me.
Bigelow Co., New Haven, Conn.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Chicago Bridge and Iron Works, Chicago, Ill.
W. J. Clark Co., Salem, Ohio.
Cleveland Wire Spring Co., Cleveland, O.
D. Connelly Boiler Co., Cleveland, Ohio.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Edge Moor Iron Co., Edge Moor, Del.
Erie City Iron Works, Erie, Pa.
Frick Co., Waynesboro, Pa.
Gaynor Mfg. Co., Bridgeport, Conn.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Peter Gray & Sons, Inc., Cambridge, Mass.
Hayes Mfg. Co., Detroit, Mich.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Klauer Mfg. Co., Dubuque, Iowa.
Lacy Mfg. Co., Los Angeles, Cal.

Sheet and Plate Metal Work—Cont.

David Lupton's Sons Co., Philadelphia, Pa.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
Meurer Bros. Co., Brooklyn, N. Y.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
W. H. Mullins Co., Salem, Ohio.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Schaw-Batcher Co. Pipe Works, Sacramento, Cal.
Sterling Blower Co., Hartford, Conn.
Strong-Scott Mfg. Co., Minneapolis, Minn.
Tippett & Wood, Phillipsburg, N. J.
E. Van Noorden Co., Boston, Mass.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Western Pipe and Steel Co. of California, San Francisco, Cal.
Whitaker-Glessner Co., Wheeling, W. Va.
John Wood Mfg. Co., Conshohocken, Pa.

Sheet Metal Stamping.

American Pulley Co., Philadelphia, Pa.
Wallace Barnes Co., Bristol, Conn.
Bowen Mfg. Co., Auburn, N. Y.
Brass Goods Mfg. Co., Brooklyn, N. Y.
Central Stamping Co., New York.
W. J. Clark Co., Salem, Ohio.
Cleveland Stamping and Tool Co., Cleveland, Ohio.
Cleveland Wire Spring Co., Cleveland, O.
Consolidated Safety Pin Co., Bloomfield, N. J.
H. C. Cook Co., Ansonia, Conn.
Crosby Co., Buffalo, N. Y.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Eagle Mfg. Co., Cincinnati, Ohio.
England Mfg. Co., Detroit, Mich.
Faries Mfg. Co., Decatur, Ill.
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Globe Machine and Stamping Co., Cleveland, Ohio.
Peter Gray & Sons, Inc., Cambridge, Mass.
Greist Mfg. Co., New Haven, Conn.
Havell Mfg. Co., Newark, N. J.
Hayes Mfg. Co., Detroit, Mich.
Hunt & Dorman Mfg. Co., Cleveland, O.
Otto Konigslow Mfg. Co., Cleveland, Ohio.
Manhattan Brass Co., New York.
Mattatuck Mfg. Co., Waterbury, Conn.
Pittsburgh Lamp, Brass and Glass Co., Pittsburgh, Pa.
Fred J. Potter & Co., New Brunswick, N. J.
Riker Co., Newark, N. J.
Smith & Egge Mfg. Co., Bridgeport, Conn.
William Vogel & Bros., Inc., Brooklyn, N. Y.
Whitaker-Glessner Co., Wheeling, W. Va.
Winkley Co., Detroit, Mich.
Worcester Pressed Steel Co., Worcester, Mass.
Simon Zinn, Inc., New York.

Sheet Music.

(See Music Publishers.)

Sheeting, Oiled.

Seabury & Johnson, New York.
A. J. Tower Co., Boston, Mass.

Sheets, Cotton.

H. B. Claflin Corp., New York.
Ernest Simons Mfg. Co., Port Chester, N. Y.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

Shellers and Cleaners, Peanut.

Cardwell Machine Co., Richmond, Va.

Shellers and Huskers, Corn.

Cardwell Machine Co., Richmond, Va.
J. I. Case Threshing Machine Co., Racine, Wis.
A. B. Farquhar & Co., New York.
S. Freeman & Sons Mfg. Co., Racine, Wis.
International Harvester Corp., Chicago, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Union Iron Works, Decatur, Ill.

Shelving, Library.

Art Metal Construction Co., Jamestown, N. Y.
Royal Furniture Co., Grand Rapids, Mich.
Snead & Co. Iron Works, Jersey City, N. J.

Shelving, Steel.

Berger Mfg. Co., Canton, Ohio.
Bernstein Mfg. Co., Philadelphia, Pa.
W. J. Clark Co., Salem, Ohio.
Edwards Mfg. Co., Cincinnati, Ohio.
Richard W. Jefferis Co., Camden, N. J.
National Scale Co., Chicopee Falls, Mass.
Snead & Co. Iron Works, Jersey City, N. J.
Van Dorn Iron Works Co., Cleveland, O.

Shingles.

Chas. T. Abeles & Co., Little Rock, Ark.
Alger, Smith & Co., Duluth, Minn.
Louis Bossert & Son, Brooklyn, N. Y.
Caspar Lumber Co., San Francisco, Cal.
Cypress Lumber Co., Boston, Mass.
R. H. Downman, New Orleans, La.
Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
Great Southern Lumber Co., Bogalusa, La.
Hammond Lumber Co., San Francisco, Cal.
Charles C. Kellogg & Sons Co., Utica, N. Y.
Hugh McLean Lumber Co., Buffalo, N. Y.
Northwest Lumber Co., Seattle, Wash.
Pacific States Lumber Co., Tacoma, Wash.
Polson Logging Co., Hoquiam, Wash.
Puget Sound Mills and Timber Co., Seattle, Wash.
St. Paul and Tacoma Lumber Co., Tacoma, Wash.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
M. R. Smith Lumber and Shingle Co., Kansas City, Mo.
A. T. Stearns Lumber Co., Boston, Mass.
Union Lumber Co., San Francisco, Cal.
Wheeler-Osgood Co., Tacoma, Wash.

Shingles, Asphalt.

H. M. Reynolds Asphalt Shingle Co., Grand Rapids, Mich.
Standard Paint Co., New York.

Shingles, Metal.

Andrews Steel Co., Newport, Ky.
Edwards Mfg. Co., Cincinnati, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Meurer Bros. Co., Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Reeves Mfg. Co., Dover, Ohio.

Ship Chandlery.

Charles D. Durkee & Co., New York.
Edson Mfg. Co., Boston, Mass.
Peter Gray & Sons, Inc., Cambridge, Mass.
Thomas Laughlin Co., Portland, Me.
George Lawley & Son Corp., Neponset, Mass.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.

Ships, Iron and Steel.

American Car and Foundry Co., New York.
American Ship Building Co., Cleveland, O.
Bath Iron Works, Ltd., Bath, Me.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
W. & A. Fletcher Co., Hoboken, N. J.
Gas Engine and Power Co. and Charles L. Seabury & Co., Consolidated, New York.
Great Lakes Engineering Works, Detroit, Mich.
Harlan & Hollingsworth Corp., Wilmington, Del.
Manitowoc Ship Building Co., Manitowoc, Wis.
Milliken Bros., Inc., Milliken, Staten Island, N. Y.
New York Ship Building Corp., Camden, N. J.
Northwest Steel Co., Portland, Ore.
Pusey & Jones Co., Wilmington, Del.
Seattle Construction and Dry Dock Co., Seattle, Wash.
Union Iron Works Co., San Francisco, Cal.

Ships, Wooden.

Gas Engine and Power Co. & Charles L. Seabury & Co., Consolidated, New York.
Peninsula Shipbuilding Co., Portland, Ore.

Shirts, Silk.

(See Underwear, Silk, Knit.)

Shirts, White and Fancy.

Cluett, Peabody & Co., Troy, N. Y.
Earl & Wilson, Troy, N. Y.
Hall, Hartwell & Co., Troy, N. Y.
Geo. P. Ide & Co., Troy, N. Y.
Millen, Aikenhead Co., Inc., New York.
Oppenheim, Oberndorf & Co., Inc., Baltimore, Md.
Rice-Stix Dry Goods Co., St. Louis, Mo.
United Shirt and Collar Co., Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.
Wheeler & Motter Mercantile Co., St. Joseph, Mo.
Wise Bros., Inc., Baltimore, Md.
Zion's Co-Operative Mercantile Institution, Salt Lake City, Utah.

Shirts, Woolen.

Oppenheim, Oberndorf & Co., Baltimore, Md.
Oregon City Mfg. Co., Oregon City, Ore.
F. A. Patrick & Co., Duluth, Minn.

Shirts, Work.

(See Clothing, Workingmen's.)

Shoddy.

Collings-Taylor Co., Cleveland, Ohio.
Benjamin Hey & Co., Cincinnati, Ohio.
W. Lowenthal & Co., Cohoes, N. Y.
National Woolen Co., Cleveland, Ohio.

Shoe Cloths.

Brighton Worsted Co., Philadelphia, Pa.
J. R. Keim & Co., Philadelphia, Pa.
Lawrence & Co., Boston, Mass.
Nixon, Walker & Tracy, New York.
Wm. F. Read & Sons Co., Philadelphia, Pa.
Standard Oil Cloth Co., New York.
Thomas H. Wilson, Inc., Philadelphia, Pa.

Shoe Factory Supplies.

Crawford, McGregor & Canby Co., Dayton, Ohio.
Frank Miller Co., New York.
Rebhun Last Co., Cincinnati, Ohio.
Rochester Last Works, Rochester, N. Y.

Shoemakers' Findings.

Alma Mfg. Co., Baltimore, Md.
Bishop Gutta Percha Co., New York.
Brockton Heel Co., Brockton, Mass.
W. O. Davey & Sons, Jersey City, N. J.
Diamond State Fibre Co., Bridgeport, Pa.
Empire Rubber and Tire Co., Trenton, N. J.
Essex Rubber Co., Inc., Trenton, N. J.
Federal Button Co., Newark, N. J.
Foster Rubber Co., Boston, Mass.
German Artistic Weaving Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Graton & Knight Mfg. Co., Worcester, Mass.
John M. Hale-Boardman, Inc., New York.
Havell Mfg. Co., Newark, N. J.
J. R. Keim & Co., Inc., Philadelphia, Pa.
Lawrence & Co., Boston, Mass.
Marathon Tire and Rubber Co., Cuyahoga Falls, Ohio.
Narrow Fabric Co., Reading, Pa.
Nixon, Walker & Tracy, New York.
Page Belting Co., Concord, N. H.
Proctor, Ellison Co., Boston, Mass.
P. Reilly & Sons, Newark, N. J.
Riker Co., Newark, N. J.
Rochester Top Lift Co., Rochester, N. Y.
Fred Rueping Leather Co., Fond du Lac, Wis.
Schoellkopf & Co., Buffalo, N. Y.
S. Stroock & Co., New York.
Tubular Rivet and Stud Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

Shoes.

(See Boots and Shoes.)

Shoes, Felt.

Millett, Woodbury & Co., Beverly, Mass.

Shoes, Horse and Mule.

American Horse Shoe Co., Phillipsburg, N. J.
Phoenix Horse Shoe Co., Chicago, Ill.

Shoes, Ox.

Scranton Forging Co., Scranton, Pa.

Shoes, Rubber.

(See Boots and Shoes, Rubber.)

Shooks, Barrel.

California Barrel Co., San Francisco, Cal.
Gulf Cooperage Co., Pittsburgh, Pa.
Pekin Cooperage Co., Pekin, Ill.
Saginaw & Manistee Lumber Co., Williams, Ariz.

Shooks, Box.

American Box and Lumber Co., Nashua, N. H.
Louis Bossert & Son, Brooklyn, N. Y.
Bridal Veil Lumbering Co., Portland, Ore.
Caspar Lumber Co., San Francisco, Cal.
Dodge & Bliss Co., Jersey City, N. J.
J. H. Duker Box Co., Baltimore, Md.
Forrester-Nace Box Co., Kansas City, Mo.
Graves, Manbert, George & Co., Buffalo, N. Y.
Great Southern Lumber Co., Bogalusa, La.
Kansas City Packing Box Co., Kansas City, Kans.
Montgomery Bros. & Co., Buffalo, N. Y.
George G. Page Box Co., Cambridge, Mass.
Rochester Box and Lumber Co., Rochester, N. Y.
Saginaw & Manistee Lumber Co., Williams, Ariz.
Smeed Box Co., Cleveland, Ohio.
F. M. West Box Co., Springfield, Mass.

Shot.

Remington Arms-Union Metallic Cartridge Co., New York.

Shotguns.

Crescent Firearms Co., Norwich, Conn.
Harrington & Richardson Arms Co., Worcester, Mass.
Charles Parker Co., Meriden, Conn.
Remington Arms-Union Metallic Cartridge Co., New York.
Winchester Repeating Arms Co., New Haven, Conn.

Shovels and Spades.

Ames Shovel and Tool Co., Boston, Mass.
Collins & Co., New York.
Hubbard & Co., Pittsburgh, Pa.
F. E. Kohler Co., Canton, Ohio.
Owosso Mfg. Co., Owosso, Mich.
Pittsburgh Shovel Co., Pittsburgh, Pa.
Wood Shovel and Tool Co., Piqua, Ohio.

Shovels, Steam or Electric.

American Clay Machinery Co., Bucyrus, O.
Clyde Iron Works, Duluth, Minn.
H. S. Kerbaugh, Inc., New York.
Keystone Driller Co., Beaver Falls, Pa.
Marion Steam Shovel Co., Marion, Ohio.

Shovels, Stove.

New York Stamping Co., Brooklyn, N. Y.

Show Cases.

Grand Rapids Show Case Co., Grand Rapids, Mich.
Marshall-Wells Hardware Co., Duluth, Minn.
Snead & Co., Iron Works, Inc., Jersey City, N. J.
Wilmarth Show Case Co., Grand Rapids, Mich.

Shredders, Corn.

J. I. Case Threshing Machine Co., Racine, Wis.
International Harvester Corp., Chicago, Ill.
Silver Mfg. Co., Salem, Ohio.

Shutters, Iron and Steel.

Dahlstrom Metallic Door Co., Jamestown, N. Y.
Kinnear Mfg. Co., Columbus, Ohio.
Merchant & Evans Co., Philadelphia, Pa.
Mesker Bros. Iron Co., St. Louis, Mo.

Shutters, Photographic.

Eastman Kodak Co., Rochester, N. Y.
Wollensak Optical Co., Rochester, N. Y.

Shutters, Rolling.

Kinnear Mfg. Co., Columbus, Ohio.
J. G. Wilson Corp., New York.

Shutters, Wire.

(See Screens, Window.)

Shuttles.

United States Bobbin and Shuttle Co., Providence, R. I.

Sideboards.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Herzog Art Furniture Co., Saginaw, Mich.
Northern Furniture Co., Sheboygan, Wis.
Showers Bros. Co., Bloomington, Ind.

Siding, Metallic.

Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
Edwards Mfg. Co., Cincinnati, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.

Siding, Wood.

Johnson Bros., Brooklyn, N. Y.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Union Lumber Co., San Francisco, Cal.

Sieves.

(See Screens, Wire.)

Sieves and Sifters, Flour.

(See also Bolters and Graders for Flour.)
J. L. Clark Mfg. Co., Rockford, Ill.
Stuber & Kuck, Peoria, Ill.

Sifters, Sand.

(See Machinery, Sand Mixing and Sifting.)

Signal Systems, Electrical.

Gamewell Fire Alarm Telegraph Co., New York.
W. R. Ostrander & Co., New York.

Signals, Automobile.

Klaxon Co., Newark, N. J.
Stewart-Warner Speedometer Corp., Chicago, Ill.

Signals, Factory and Office.
National Scale Co., Chicopee Falls, Mass.

Signals, Railway.
American Vulcanized Fibre Co., Wilmington, Del.
Central Railway Signal Co., Pittsburgh, Pa.
Klaxon Co., Newark, N. J.
Union Switch and Signal Co., Swissdale, Pa.

Signals, Ship.
Charles D. Durkee & Co., New York.
Peter Gray & Sons, Inc., Cambridge, Mass.
Klaxon Co., Newark, N. J.

Signs, Advertising.
(See also Posters.)
Aluminum Goods Mfg. Co., Manitowoc, Wis.
H. D. Beach Co., Coshocton, Ohio.
Brown & Bigelow, St. Paul, Minn.
Columbia Can Co., St. Louis, Mo.
Heekin Can Co., Cincinnati, Ohio.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
Meyercord Co., Inc., Chicago, Ill.
Elwood Myers Co., Springfield, Ohio.
Passaic Metal Ware Co., Passaic, N. J.
Spanjer Bros., Newark, N. J.
Tablet and Ticket Co., Chicago, Ill.

Signs, Road.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa.

Silica.
Merck & Co., New York.

Silicon Copper.
(See Copper, Silicon.)

Silk, Artificial.
Harrison & Gore Silk Co., Newburgh, N. Y.

Silk Chiffons.
Louis Hamburger & Co., New York.
Northampton Silk Co., Easton, Pa.
Stewart Silk Co., New York.
E. & Z. Van Raalte, Inc., New York.

Silk and Cotton Mixed Fabrics.
Aldrich Bros., Providence, R. I.
Dundee Textile Co., Passaic, N. J.
Fried, Mendelson & Co., New York.
A. G. Hyde & Sons, New York.
Lincoln Mfg. Co., Fall River, Mass.
Manville Co., Providence, R. I.
Müller Gloria Mills, Norwalk, Conn.
Renfrew Mfg. Co., Adams, Mass.
Schwarzenbach-Huber Co., New York.
Taber Mill, New Bedford, Mass.
Warwick Mills, Centreville, R. I.
Thomas H. Wilson, Inc., Philadelphia, Pa.

Silk, Knitting and Crocheting.
Nonotuck Silk Co., Florence, Mass.

Silk, Sewing and Embroidery.
Belding Bros. & Co., New York.
Brainerd & Armstrong Co., New London, Conn.
Hammond, Knowlton & Co., New York.
Nonotuck Silk Co., Florence, Mass.
A. H. Rice Co., Pittsfield, Mass.

Silk Shirtings.
Burlington Silk Mills, New York.
Harrison & Gore Silk Co., Newburgh, N. Y.
H. R. Mallinson & Co., New York.
Pennsylvania Textile Co., New York.
Reiling & Schoen, Inc., New York.

Silk, Thrown.
Belding Bros. & Co., New York.
Cheney Bros., South Manchester, Conn.
D. G. Dery, Allentown, Pa.
John Dunlop's Sons, New York.
Arthur Emmerich, New York.
Samuel McCollom, Paterson, N. J.
Nonotuck Silk Co., Florence, Mass.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.
F. A. Straus & Co., New York.

Silk Throwsters.
Alpha Silk Throwing Co., Alpha, N. J.
Century Throwing Co., Paterson, N. J.
J. H. & C. K. Eagle, New York.
Klotz Throwing Co., New York.
Leon-Ferenbach Silk Co., Wilkes-Barre, Pa.
Read & Lovatt Mfg. Co., New York.
Singleton Silk Mfg. Co., Dover, N. J.

Silk and Wool Mixed Fabrics.
Müller Gloria Mills, Norwalk, Conn.
Reiling & Schoen, Inc., New York.
Thomas H. Wilson, Inc., Philadelphia, Pa.

Silks, Dress.
(See Dress Goods, Silk.)

Silks, Necktie.
Audiger & Meyer Silk Co., Paterson, N. J.
Belding Bros. & Co., New York.
Bloomsburg Silk Mill, Bloomsburg, Pa.
Brilliant Silk Mfg. Co., New York.
Cardinal & Becker, Paterson, N. J.
Cheney Bros., South Manchester, Conn.
D. G. Dery, Allentown, Pa.
Doherty & Wadsworth Co., Paterson, N. J.
Henry Doherty Silk Co., Paterson, N. J.
Dundee Textile Co., Passaic, N. J.
Empire Silk Co., New York.
Fried, Mendelson & Co., New York.
Haenichen Bros. Silk Co., Paterson, N. J.
John Hand & Sons, Inc., Paterson, N. J.
Haytock-Cronemeyer Co., Easton, Pa.
John Hollbach, New York.
Kattermann & Mitchell Co., Paterson, N. J.
W. Little & Co., Paterson, N. J.
Samuel McCollom, Paterson, N. J.
Northampton Silk Co., Easton, Pa.
Pennsylvania Textile Co., New York.
Phoenix Silk Mfg. Co., New York.
Reiling & Schoen, Inc., New York.
Sauquoit Silk Mfg. Co., Philadelphia, Pa.
Schwarzenbach, Huber Co., New York.
R. & H. Simon Co., Union Hill, N. J.
Souter Silk Mfg. Co., New York.

Silks, Umbrella, Surgical and Insulating.
Belding Bros. & Co., New York.
Follmer-Clogg & Co., Lancaster, Pa.
Haenichen Bros. Silk Co., Paterson, N. J.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.

Silos.

American Rolling Mill Co., Middletown, O.
Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
National Fire Proofing Co., Pittsburgh, Pa.
Union Lumber Co., San Francisco, Cal.

Silver Bullion.

Handy & Harman, New York.

Silver, Fine and Alloyed.

Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Silver, Granulated.

Handy & Harman, New York.

Silver Plating Anodes.

Handy & Harman, New York.

Silverware, Plated.

Alvin Mfg. Co., New York.
Benedict Mfg. Co., East Syracuse, N. Y.
Gorham Co., New York.
International Silver Co., Meriden, Conn.
Ontario Silver Co., Muncie, Ind.
Reed & Barton, Taunton, Mass.
Bernard Rice's Sons, New York.
Simeon L. & George H. Rogers Co., Hartford, Conn.
R. Wallace & Son's Mfg. Co., Wallingford, Conn.

Silverware, Sterling.

Alvin Mfg. Co., New York.
Theodore W. Foster & Bro. Co., Providence, R. I.
Gorham Co., New York.
International Silver Co., Meriden, Conn.
Ontario Silver Co., Muncie, Ind.
Reed & Barton, Taunton, Mass.
Rogers, Lunt & Bowlen Co., Greenfield, Mass.
Shreve & Co., San Francisco, Cal.
R. Wallace & Son's Mfg. Co., Wallingford, Conn.
Webster Co., North Attleboro, Mass.
Weidlich Bros. Mfg. Co., Bridgeport, Conn.
Whiting Mfg. Co., Bridgeport, Conn.

Sinkers, Die.

(See Machinery, Die Sinking.)

Sinks, Enameled Iron.

Iron City Sanitary Mfg. Co., Pittsburgh, Pa.
Kohler Co., Kohler, Wis.
J. L. Mott Iron Works, New York.
National Enameling and Stamping Co., New York.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.

Sinks, Solid Porcelain.

John Douglas Co., Cincinnati, Ohio.
Thomas Maddock's Sons Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
Trenton Potteries Co., Trenton, N. J.

Sinks and Troughs, Cast Iron.

A. L. Swett Iron Works, Medina, N. Y.

Sinks and Troughs, Steel.

L. O. Koven & Bro., Jersey City, N. J.

Sintering Plants.

C. O. Bartlett & Snow Co., Cincinnati, O.

Sizing, Textile.

(See Textile Sizing.)

Skeins, Wagon.

American Skein and Foundry Co., Racine, Wis.
Illinois Iron and Bolt Co., Carpenterville, Ill.

Skewers.

Weis & Lesh Mfg. Co., Muncie, Ind.

Skips, Dump.

Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Traylor Engineering and Mfg. Co., Allentown, Pa.
Worthington Pump and Machinery Corp., New York.

Skirts.

(See Costumes and Wraps, Women's.)

Skylights.

Duluth Corrugating and Roofing Co., Duluth, Minn.
Edwards Mfg. Co., Cincinnati, Ohio.
Klauer Mfg. Co., Dubuque, Iowa.
David Lupton's Sons Co., Philadelphia, Pa.
Rasner & Dinger Co., Pittsburgh, Pa.
E. Van Noorden Co., Boston, Mass.

Slabs, Marble.

Georgia Marble Co., Tate, Ga.
Hilgartner Marble Co. of Baltimore City, Baltimore, Md.

Slag, Crushed.

Musconetcong Iron Works, New York.

Slates, Book.

New York Silicate Book Slate Co., New York.

Slating, Liquid Blackboard.

New York Silicate Book Slate Co., New York.

Sleds, Coasting.

S. L. Allen & Co., Philadelphia, Pa.

Sleepers.

(See Ties, Railway.)

Slippers.

B. E. Cole & Co., Boston, Mass.
Charles K. Fox, Inc., Haverhill, Mass.

Slotters.

Garvin Machine Co., New York.
National Acme Mfg. Co., Cleveland, Ohio.
Niles-Bement-Pond Co., New York.
William Sellers & Co., Inc., Philadelphia, Pa.

Smalts, Painters.

Binney & Smith Co., New York.

Smelters and Refiners.

Dusquesne Reduction Co., Pittsburgh, Pa.
Nichols Copper Co., New York.

Smokers, Hive.

A. I. Root Co., Medina, Ohio.

Smokestacks, Iron and Steel.

Bigelow Co., New Haven, Conn.
John Brennan & Co., Detroit, Mich.
W. J. Clark Co., Salem, Ohio.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
Gregg Co., Ltd., Hackensack, N. J.
Kroeschell Bros. Co., Chicago, Ill.
Littleford Bros., Cincinnati, Ohio.
Milliken Bros., Inc., Milliken, Staten Island, N. Y.
John Mohr & Sons, Chicago, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Tippett & Wood, Phillipsburg, N. J.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Western Pipe and Steel Co. of California, San Francisco, Cal.

Snow Plows and Sweepers.

J. G. Brill Co., Philadelphia, Pa.

Soap, Cotton Oil.

American Cotton Oil Co., New York.
N. K. Fairbank Co., Chicago, Ill.
Moore Oil Co., Cleveland, Ohio.

Soap, Harness.

Frank Miller Co., New York.

Soap, Laundry.

Arabol Mfg. Co., New York.
B. T. Babbitt, Inc., New York.
Cudahy Packing Co., Chicago, Ill.
J. Eavenson & Sons, Inc., Camden, N. J.
N. K. Fairbank Co., Chicago, Ill.
B. J. Johnson Soap Co., Milwaukee, Wis.
Jones Bros. Tea Co., Brooklyn, N. Y.
James S. Kirk & Co., Chicago, Ill.
Kirkman & Son, Brooklyn, N. Y.
Larkin Co., Buffalo, N. Y.
Lautz Bros. & Co., Buffalo, N. Y.
Moore Oil Co., Cleveland, Ohio.
Pacific Coast Borax Co. of Nevada, New York.
Peet Bros. Mfg. Co., Kansas City, Kans.
Procter & Gamble Co., Cincinnati, Ohio.
Ryan Soap Co., Cincinnati, Ohio.
Swift & Co., Chicago, Ill.
W. & H. Walker, Pittsburgh, Pa.
William Waltke & Co., St. Louis, Mo.
M. Werk Co., St. Bernard, near Cincinnati, Ohio.

Soap, Linseed Oil.

Sherwin-Williams Co., Cleveland, Ohio.

Soap, Medicated.

California Perfume Co., Inc., New York.
Andrew Jergens Co., Cincinnati, Ohio.
Seabury & Johnson, New York.

Soap, Olive Oil.

Moore Oil Co., Cleveland, Ohio.

Soap Powders.

Arabol Mfg. Co., New York.
B. T. Babbitt, Inc., New York.
N. K. Fairbank Co., Chicago, Ill.
B. J. Johnson Soap Co., Milwaukee, Wis.
Kirkman & Son, Brooklyn, N. Y.
Larkin Co., Buffalo, N. Y.
Lautz Bros. & Co., Buffalo, N. Y.
Ryan Soap Co., Cincinnati, Ohio.
Wm. Waltke & Co., St. Louis, Mo.
M. Werk Co., St. Bernard, near Cincinnati, Ohio.

Soap, Scouring and Scrubbing.

Cudahy Packing Co., Chicago, Ill.
J. Eavenson & Sons, Inc., Camden, N. J.
N. K. Fairbank Co., Chicago, Ill.
B. J. Johnson Soap Co., Milwaukee, Wis.
Kirkman & Son, Brooklyn, N. Y.
Larkin Co., Buffalo, N. Y.
Swift & Co., Chicago, Ill.

Soap Stock.

California Glue Co., San Francisco, Cal.
Moore Oil Co., Cleveland, Ohio.
Swift & Co., Chicago, Ill.
M. Werk Co., St. Bernard, near Cincinnati, Ohio.

Soap for Textile Industries.

American Cotton Oil Co., New York.
J. Eavenson & Sons, Inc., Camden, N. J.

Soap, Toilet.

Beaver Soap Co., Dayton, Ohio.
Bristol-Myers Co., Brooklyn, N. Y.
California Perfume Co., Inc., New York.
Cudahy Packing Co., Chicago, Ill.
Daggett & Ramsdell, New York.
C. B. Dolge Co., Westport, Conn.
J. Eavenson & Sons, Inc., Camden, N. J.
N. K. Fairbank Co., Chicago, Ill.
Hall & Ruckel, New York.
Andrew Jergens Co., Cincinnati, Ohio.
B. J. Johnson Soap Co., Milwaukee, Wis.
Jones Bros. Tea Co., Brooklyn, N. Y.
James S. Kirk & Co., Chicago, Ill.
Lambert Pharmacal Co., St. Louis, Mo.
Larkin Co., Buffalo, N. Y.
Moore Oil Co., Cleveland, Ohio.
Peet Bros. Mfg. Co., Cincinnati, Ohio.
Proctor & Gamble Co., Cincinnati, Ohio.
Swift & Co., Chicago, Ill.
W. & H. Walker, Pittsburgh, Pa.
William Waltke & Co., St. Louis, Mo.

Soapmaker's Apparatus.

Littleford Bros., Cincinnati, Ohio.

Soapstone.

(See Talc.)

Sockets, Machine Bit.

(See also Chucks, Drill.)

Standard Tool Co., Cleveland, Ohio.

Soda Ash.

Merck & Co., New York.
Michigan Alkali Co., Detroit, Mich.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Solvay Process Co., Syracuse, N. Y.
John C. Wiarda & Co., Brooklyn, N. Y.
Isaac Winkler & Bro., Cincinnati, Ohio.

Soda, Bisulphate.

General Chemical Co., New York.
Grasselli Chemical Co., New York.

Soda, Caustic.

Albany Chemical Co., Albany, N. Y.
Hooker Electrochemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Michigan Alkali Co., Detroit, Mich.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Solvay Process Co., Syracuse, N. Y.
John C. Wiarda & Co., Brooklyn, N. Y.
Isaac Winkler & Bro., Cincinnati, Ohio.

Soda, Chromate of.
Mutual Chemical Co. of America, New York.

Soda, Sal.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Soda, Tungstate of.
Primos Chemical Co., Primos, Pa.

Soda, Washing.
Merck & Co., New York.
Isaac Winkler & Brother, Cincinnati, Ohio.

Soda Water Charging Apparatus.
(See Carbonating Apparatus.)

Sodium Benzoate.
Heyden Chemical Works, New York.
Merck & Co., New York.

Sodium Bicarbonate.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Michigan Alkali Co., Detroit, Mich.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Solvay Process Co., Syracuse, N. Y.

Sodium Bichromate.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Mutual Chemical Co. of America, New York.

Sodium, Cyanide of.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Roessler & Hasslacher Chemical Co., New York.

Sodium, Hyposulphite and Bisulphite.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Sodium Nitrate.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Sodium, Peroxide.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Sodium Phosphate.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Sodium Salicylate.
Heyden Chemical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Sodium Silicate.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Philadelphia Quartz Co., Philadelphia, Pa.

Sodium Sulphate.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Sodium Sulphide.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Sodium Sulphite.
Albany Chemical Co., Albany, N. Y.
General Chemical Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Solder.
American Brass Co., Waterbury, Conn.
Brady Brass Co., Jersey City, N. J.
Damascus Bronze Co., Pittsburgh, Pa.
Lumen Bearing Co., Buffalo, N. Y.
Merchant & Evans Co., Philadelphia, Pa.
More-Jones Brass and Metal Co., St. Louis, Mo.
Pacific Metal Works, San Francisco, Cal.
Rochester Lead Works, Rochester, N. Y.

Solder, Jewelers'.
Geo. H. Fuller & Son Co., Pawtucket, R. I.
Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Solder, Silver.
Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Soldering Blocks, Charcoal.
American Oil and Supply Co., Newark, N. J.

Soldering Flux.
American Oil and Supply Co., Newark, N. J.
Grasselli Chemical Co., New York.
Franklin H. Kalbfleisch Co., New York.

Soldering Sets.
Millers Falls Co., Millers Falls, Mass.

Soles, Fibre.
Marathon Tire and Rubber Co., Cuyahoga Falls, Ohio.

Soles and Heels, Leather.
Brockton Heel Co., Brockton, Mass.
England, Walton & Co., Inc., Philadelphia, Pa.
Graton & Knight Mfg. Co., Worcester, Mass.

Soles, Rubber.

Empire Rubber and Tire Co., Trenton, N. J.
Foster Rubber Co., Boston, Mass.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
United States Rubber Export Co., New York.

Solvent Reclaiming Apparatus.

Buffalo Foundry and Machine Co., Buffalo, N. Y.

Soups, Canned.

Joseph Campbell Co., Camden, N. J.
Curtice Brothers Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa.
Loudon Packing Co., Terre Haute, Ind.
W. & H. Walker, Pittsburgh, Pa.

Sowers, Seed.

S. L. Allen & Co., Philadelphia, Pa.
American Seeding Machine Co., Richmond, Ind.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.

Spades.

(See Shovels and Spades.)

Spark Plugs.

Champion Spark Plug Co., Toledo, Ohio.
Hartford Machine Screw Co., Hartford, Conn.
Standard Screw Co., Chicago, Ill.
Stewart-Warner Speedometer Corp., Chicago, Ill.

Spectacles and Eyeglasses.

(See Eyeglasses and Spectacles.)

Spectroscopes.

Eimer & Amend, New York.

Speedometers.

Corbin Screw Corp., New Britain, Conn.
Stewart-Warner Speedometer Corp., Chicago, Ill.
Veeder Mfg. Co., Hartford, Conn.

Spelter.

Eagle-Picher Lead Co., New York.
Grasselli Chemical Co., New York.
Hegeler Zinc Co., Danville, Ill.
New Jersey Zinc Co., New York.

Spices.

Brecht Co., St. Louis, Mo.
A. Colburn Co., Philadelphia, Pa.
E. R. Durkee & Co., New York.
B. Fischer & Co., New York.
Frank Tea and Spice Co., Cincinnati, Ohio.
Jones Brothers Tea Co., Brooklyn, N. Y.
Stickney & Poor Spice Co., Boston, Mass.
W. & H. Walker, Pittsburgh, Pa.
Woolson Spice Co., Toledo, Ohio.

Spiegeleisen.

New Jersey Zinc Co., New York.
Rogers, Brown & Co., Cincinnati, Ohio.

Spikes, Boat, Wharf, Etc.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Colorado Fuel and Iron Co., Denver, Colo.
Davis Brothers, Philadelphia, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Scranton Bolt and Nut Co., Scranton, Pa.

Spikes, Railroad.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Atlantic Steel Co., Atlanta, Ga.
Colorado Fuel and Iron Co., Denver, Colo.
Davis Brothers, Philadelphia, Pa.
Diworth, Porter & Co., Inc., Pittsburgh, Pa.
Elyria Iron and Steel Co., Elyria, Ohio.
Inland Steel Co., Chicago, Ill.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Scranton Bolt and Nut Co., Scranton, Pa.

Spinning Frames, Cotton.

Easton & Burnham Machine Co., Pawtucket, R. I.

Spirits.

(See Alcohol.)

Spokes, Metal.

(See Wheel Parts, Metal.)

Spokes, Oak and Hickory.

(See Wheel Parts, Wooden.)

Spoolers, Cotton.

Easton & Burnham Machine Co., Pawtucket, R. I.

Spools.

United States Bobbin and Shuttle Co., Providence, R. I.

Spoons, Table.

(See Wheel Parts, Wooden.)

Sporting Goods.

Crawford, McGregor & Canby Co., Dayton, Ohio.
Essex Rubber Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio.
Andrew B. Hendryx Co., New Haven, Conn.
Horton Mfg. Co., Bristol, Conn.
Charles S. Merton & Co., New York.
Nathan Novelty Mfg. Co., New York.
John Patterson & Co., New York.
Pennsylvania Rubber Co., Jeannette, Pa.
A. J. Reach Co., Philadelphia, Pa.

Spouts, Tin.

William Vogel & Bros., Inc., Brooklyn, N. Y.

Sprayers, Insect Powder.

American Can Co., New York.

Sprayers, Insecticide.

Air-Tight Steel Tank Co., Pittsburgh, Pa.
Bateman Mfg. Co., Grenloch, N. J.
Dayton Mfg. Co., Dayton, Ohio.
William Vogel & Brothers, Inc., Brooklyn, N. Y.

Sprayers, Paint and Whitewash.

(See Machines, Paint and Whitewash Spraying.)

Spreaders, Manure.

(See also Fertilizer Distributors.)
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
Rock Island Plow Co., Rock Island, Ill.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Spring Bed Fabrics.
Mattatuck Mfg. Co., Waterbury, Conn.

Springs, Automobile.
Detroit Steel Products Co., Detroit, Mich.
William & Harvey Rowland, Inc., Philadelphia, Pa.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Standard Parts Co., Cleveland, Ohio.
Western Spring and Axle Co., Cincinnati, Ohio.

Springs, Bed and Upholstery.
Wallace Barnes Co., Bristol, Conn.
Bernstein Mfg. Co., Philadelphia, Pa.
Cleveland Wire Spring Co., Cleveland, O.
Dow Wire and Iron Works, Louisville, Ky.
Foster Brothers Mfg. Co., Utica, N. Y.
Jackson Cushion Spring Co., Jackson, Mich.
Mattatuck Mfg. Co., Waterbury, Conn.
Newark Spring Mattress Co., Newark, N. J.
Seng Co., Chicago, Ill.
Whitcomb Metallic Bedstead Co., Derby, Conn.

Springs, Car and Locomotive.
American Steel Foundries, Chicago, Ill.
J. G. Brill Co., Philadelphia, Pa.
Detroit Steel Products Co., Detroit, Mich.
Railway Steel-Spring Co., New York.

Springs, Carriage and Wagon.
Detroit Steel Products Co., Detroit, Mich.
Sheldon Axle and Spring Co., Wilkes-Barre, Pa.
Western Spring and Axle Co., Cincinnati, Ohio.

Springs, Clock, Typewriter, Etc.
Wallace Barnes Co., Bristol, Conn.

Springs, Door.
Wallace Barnes Co., Bristol, Conn.
Chicago Spring Butt Co., Chicago, Ill.
Cleveland Wire Spring Co., Cleveland, O.
Sargent & Co., New York.

Springs, Machinery.
Railway Steel-Spring Co., New York.

Springs, Rubber.
B. F. Goodrich Co., Akron, Ohio.
Hamilton Rubber Mfg. Co., Trenton, N. J.

Springs, Shade Roller.
Autoyre Co., Oakville, Conn.

Springs, Special.
Wallace Barnes Co., Bristol, Conn.
Railway Steel-Spring Co., New York.

Sprinklers, Automatic Fire.
(See Fire Extinguishers, Automatic.)

Sprinklers, Lawn and Plant.
Deming Co., Salem, Ohio.
Forest City Foundry and Mfg. Co., Cleveland, Ohio.
B. F. Goodrich Co., Akron, Ohio.
Stuber & Kuck Co., Peoria, Ill.

Sprinklers, Street.
(See Wagons, Sprinkling.)

Spurs, Stirrups, Etc.
(See Hardware, Saddlery.)

Squares.
Challenge Cutlery Corp., Bridgeport, Conn.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.

Squeezers, Lemon.
(See Lemon Squeezers.)

Stackers, Hay.
Emerson-Brantingham Co., Rockford, Ill.
International Harvester Corp., Chicago, Ill.

Stackers, Straw.
J. I. Case Threshing Machine Co., Racine, Wis.

Stains, Leather.
Heller & Merz Co., New York.

Stains, Wood.
Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Berry Brothers, Detroit, Mich.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Emil Calman & Co., New York.
Chicago Varnish Co., Chicago, Ill.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Gerstendorfer Brothers, New York.
Heath & Milligan Mfg. Co., Chicago, Ill.
Heller & Merz Co., New York.
John Lucas & Co., Inc., Philadelphia, Pa.
Marietta Paint and Color Co., Marietta, Ohio.
Benjamin Moore & Co., Brooklyn, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Varnish Works, New York.

Stair Treads, Rubber.
B. F. Goodrich Co., Akron, Ohio.
Quaker City Rubber Co., Philadelphia, Pa.

Stairs, Iron and Steel.
Adlerhurst Iron Co., New Haven, Conn.
Hecla Iron Works, Brooklyn, N. Y.
Mesker Bros. Iron Co., St. Louis, Mo.
Richey, Browne & Donald, Inc., Maspeth, N. Y.
Smyser-Royer Co., York, Pa.
W. S. Tyler Co., Cleveland, Ohio.

Stairs, Wooden.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
Huttig Sash and Door Co., St. Louis, Mo.
St. John Wood Working Co., Stamford, Conn.

Stampings, Metal.
(See Sheet Metal Stamping.)

Stampings, Steel.
Allegheny Steel Co., Pittsburgh, Pa.
American Tube and Stamping Co., Bridgeport, Conn.
Wallace Barnes Co., Bristol, Conn.
W. J. Clark Co., Salem, Ohio.
Cleveland Stamping and Tool Co., Cleveland, Ohio.
Columbian Enameling and Stamping Co., Terre Haute, Ind.
Detroit Pressed Steel Co., Detroit, Mich.

Stampings, Steel—Cont.

Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Hayes Mfg. Co., Detroit, Mich.
Hydraulic Pressed Steel Co., Cincinnati, O.
Parish Mfg. Co., Reading, Pa.
Parish & Bingham Co., Cleveland, Ohio.
Seng Co., Chicago, Ill.
A. O. Smith Co., Milwaukee, Wis.
Westfield Mfg. Co., Westfield, Mass.
Whitaker-Glessner Co., Wheeling, W. Va.

Stamps, Dating and Numbering.

Fulton Specialty Co., Elizabeth, N. J.
Rand, McNally & Co., Chicago, Ill.

Standpipes.

Bath Iron Works, Ltd., Bath, Me.
Fairbanks, Morse & Co., Chicago, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.

Staples, Wire.

Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.
Wright Wire Co., Worcester, Mass.

Starch, Edible.

Douglas Co., Cedar Rapids, Iowa.
E. R. Durkee & Co., New York.
Stein, Hirsh & Co., New York.

Starch, Laundry.

Corn Products Refining Co., New York.
Faultless Starch Co., Kansas City, Mo.
H. Kohnstamm & Co., New York.
Stein, Hirsh & Co., New York.

Starch Removers.

Malt-Diastase Co., New York.

Starch, Textile.

Arabol Mfg. Co., New York.
Corn Products Refining Co., New York.
Stein, Hirsh & Co., New York.

Starters, Engine and Motor.

Bijur Motor Lighting Co., Hoboken, N. J.
Bosch Magneto Co., New York.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Electric Controller and Mfg. Co., Cleveland, Ohio.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Splitdorf Electrical Co., Newark, N. J.
Wagner Electric Mfg. Co. St. Louis Mo.

Stationers' Hardware.

(See also Inkstands and Ink Wells.)

Baker-Vawter Co., Benton Harbor, Mich.
Esterbrook Steel Pen Mfg. Co. Camden, N. J.
Fulton Specialty Co., Elizabeth, N. J.
Irving-Pitt Mfg. Co., Kansas City, Mo.
H. L. Judd Co., New York.
Kelly Axe Mfg. Co., Charleston, W. Va.
Samuel C. Tatum Co., Cincinnati, Ohio.
Traut & Hine Mfg. Co., New Britain, Conn.

Stationers' Rubber Goods.

Davol Rubber Co., Providence, R. I.
Eberhard Faber, Brooklyn, N. Y.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hodgman Rubber Co., Tuckahoe, N. Y.
Parker, Stearns & Co., Brooklyn, N. Y.
Rosenthal Co., New York.

Stationery.

J. C. Blair Co., Huntingdon, Pa.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Gregory Mayer Thom Co., Detroit, Mich.
Henderson Lithographing Co., Cincinnati, Ohio.
William G. Johnston & Co., Pittsburgh, Pa.
Republic Bank Note Co., Pittsburgh, Pa.
Reynolds & Reynolds Co., Dayton, Ohio.
Schmidt Lithograph Co., San Francisco, Cal.
Stevenson & Foster Co., Pittsburgh, Pa.
Strobridge Lithographing Co., Cincinnati, Ohio.

Stationery, Railway.

(See Railway Tickets and Stationery.)

Statuary, Bronze.

(See Bronze Art Work.)

Staves.

Bodcaw Lumber Co., Stampe, Ark.
California Barrel Co., San Francisco, Cal.
Gulf Cooperage Co., Pittsburgh, Pa.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Indiana Box Co., Elwood, Ind.
Pekin Cooperage Co., Pekin, Ill.
Saginaw & Manistee Lumber Co., Williams, Ariz.

Staybolts.

Flannery Bolt Co., Pittsburgh, Pa.
James McKay Co., Pittsburgh, Pa.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.

Stearine.

Consolidated Rendering Co., Boston, Mass.
Darling & Co., Chicago, Ill.
Harkness & Cowing Co., Cincinnati, Ohio.
Swift & Co., Chicago, Ill.
M. Werk Co., St. Bernard, near Cincinnati, Ohio.
Will & Baumer Co., Inc., Syracuse, N. Y.
Wilson & Co., Inc., Chicago, Ill.

Steatite.

(See Talc.)

Steel Alloys.

Andrews Steel Co., Newport, Ky.
Carpenter Steel Co., Reading, Pa.
Halcomb Steel Co., Syracuse, N. Y.

Steel, Band and Hoop.

American Tube and Stamping Co., Bridgeport, Conn.
Atlantic Steel Co., Atlanta, Ga.
Cary Mfg. Co., New York.
Fort Wayne Rolling Mill Corp., Ft. Wayne, Ind.
Interstate Iron and Steel Co., Chicago, Ill.
Lockhart Iron and Steel Co., Pittsburgh, Pa.
Sweet's Steel Co., Williamsport, Pa.
Youngstown Steel and Tube Co., Youngstown, Ohio.

Steel Bars for Reinforcing Concrete.
(See Concrete Reinforcing Materials.)

Steel Billets, Bessemer.
Wheeling Steel and Iron Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel Billets, Electric.
Hess Steel Corp., Baltimore, Md.

Steel Billets, Open-Hearth.
Allegheny Steel Co., Pittsburgh, Pa.
American Tube and Stamping Co., Bridgeport, Conn.
Andrews Steel Co., Newport, Ky.
Bourne-Fuller Co., Cleveland, Ohio.
Gulf States Steel Co., Birmingham, Ala.
Inland Steel Co., Chicago, Ill.
C. Pardee Works, Perth Amboy, N. J.
Pittsburgh Steel Co., Pittsburgh, Pa.
United Alloy Steel Corp., Canton, Ohio.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel, Chrome Nickel.
Carpenter Steel Co., Reading, Pa.

Steel, Cold-Drawn or Rolled.
American Tube and Stamping Co., Bridgeport, Conn.
Andrews Steel Co., Newport, Ky.
Columbia Steel and Shafting Co., Pittsburgh, Pa.
Morris & Bailey Steel Co., Pittsburgh, Pa.
C. Pardee Works, Perth Amboy, N. J.
Stanley Works, New Britain, Conn.
Superior Steel Co., Carnegie, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.

Steel, Crucible.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Heller Brothers Co., Newark, N. J.

Steel Ingots, Open-Hearth.
Allegheny Steel Co., Pittsburgh, Pa.
American Tube and Stamping Co., Bridgeport, Conn.
Gulf States Steel Co., Birmingham, Ala.
C. Pardee Works, Perth Amboy, N. J.
Penn Seaboard Steel Corp., Philadelphia, Pa.

Steel, Magnet and Electrical.
Halcomb Steel Co., Syracuse, N. Y.

Steel, Merchant Bar.
Allegheny Steel Co., Pittsburgh, Pa.
Andrews Steel Co., Newport, Ky.
Atlantic Steel Co., Atlanta, Ga.
Bourne-Fuller Co., Cleveland, Ohio.
Buffalo Steel Co., Tonawanda, N. Y.
Colorado Fuel and Iron Co., Denver, Colo.
Davis Brothers, Philadelphia, Pa.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Fort Wayne Rolling Mill Corp., Ft. Wayne, Ind.
Franklin Steel Works, Franklin, Pa.
Gulf States Steel Co., Birmingham, Ala.
Halcomb Steel Co., Syracuse, N. Y.
Hess Steel Corp., Baltimore, Md.
Hoopes & Townsend Co., Philadelphia, Pa.
Inland Steel Co., Chicago, Ill.
Interstate Iron and Steel Co., Chicago, Ill.

Steel, Merchant Bar—Cont.
Knoxville Iron Co., Knoxville, Tenn.
Lockhart Iron and Steel Co., Pittsburgh, Pa.
C. Pardee Works, Perth Amboy, N. J.
Southern California Iron and Steel Co., Los Angeles, Cal.
Sweet's Steel Co., Williamsport, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.
Union Rolling Mill Co., Cleveland, Ohio.
United Alloy Steel Corp., Canton, Ohio.
West Penn Steel Co., Brackenridge, Pa.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel, Nickel.
Andrews Steel Co., Newport, Ky.

Steel Plate.
Allegheny Steel Co., Pittsburgh, Pa.
Calumet Iron Works, Newark, N. J.
Cleveland Steel Co., Cleveland, Ohio.
Glasgow Iron Co., Pottstown, Pa.
Inland Steel Co., Chicago, Ill.
Otis Steel Co., Cleveland, Ohio.
United Alloy Steel Corp., Canton, Ohio.

Steel Rails.
Colorado Fuel and Iron Co., Denver, Colo.
Pettibone, Mulliken Co., Chicago, Ill.
Sweet's Steel Co., Williamsport, Pa.
West Virginia Rail Co., Huntington, W. Va.

Steel Rods, Structural.
Buffalo Steel Co., Tonawanda, N. Y.
Davis Brothers, Philadelphia, Pa.
Knoxville Iron Co., Knoxville, Tenn.
Pittsburgh Screw and Bolt Co., Pittsburgh, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel Shapes, Agricultural.
Buffalo Steel Co., Tonawanda, N. Y.
Illinois Iron and Bolt Co., Carpentersville, Ill.
Interstate Iron and Steel Co., Chicago, Ill.

Steel Shapes, Pressed.
American Pulley Co., Philadelphia, Pa.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Glasgow Iron Co., Pottstown, Pa.
Hale & Kilburn Co., Philadelphia, Pa.
Hydraulic Pressed Steel Co., Cleveland, O.
Worcester Pressed Steel Co., Worcester, Mass.

Steel Shapes, Special.
Buffalo Steel Co., Tonawanda, N. Y.
Sweet's Steel Co., Williamsport, Pa.

Steel Shapes, Structural.
(See Structural Iron and Steel.)

Steel, Sheet.
Allegheny Steel Co., Pittsburgh, Pa.
Berger Mfg. Co., Canton, Ohio.
Cleveland Steel Co., Cleveland, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Halcomb Steel Co., Syracuse, N. Y.
Inland Steel Co., Chicago, Ill.
Mansfield Sheet and Tin Plate Co., Mansfield, Ohio.

Steel, Sheet—Cont.

Reeves Mfg. Co., Dover, Ohio.
Simonds Mfg. Co., Fitchburg, Mass.
West Penn Steel Co., Brackenridge, Pa.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel Sheet Bars.

Andrews Steel Co., Newport, Ky.
Atlantic Steel Co., Atlanta, Ga.
Glasgow Iron Co., Pottstown, Pa.
United Alloy Steel Corp., Canton, O.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel, Sheet, Corrugated.

Andrews Steel Co., Newport, Ky.
Reeves Mfg. Co., Dover, Ohio.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel, Sheet, Galvanized.

Andrews Steel Co., Newport, Ky.
Berger Mfg. Co., Canton, Ohio.
Inland Steel Co., Chicago, Ill.
Reeves Mfg. Co., Dover, Ohio.
Whitaker-Glessner Co., Wheeling, W. Va.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Steel, Sheet, for Stamping and Spinning.

Mansfield Sheet and Tin Plate Co., Mansfield, Ohio.

Steel, Skelp.

Wheeling Steel and Iron Co., Wheeling, W. Va.

Steel, Special Analysis.

Andrews Steel Co., Newport, Ky.
Carpenter Steel Co., Reading, Pa.
Firth-Sterling Steel Co., McKeesport, Pa.

Steel Specialties, Structural.

Independent Bridge Co., Pittsburgh, Pa.

Steel, Spring.

Wallace Barnes Co., Bristol, Conn.

Steel, Tool.

Carpenter Steel Co., Reading, Pa.
Firth-Sterling Steel Co., McKeesport, Pa.
Halcomb Steel Co., Syracuse, N. Y.
Heller Brothers Co., Newark, N. J.
Southern California Iron and Steel Co., Los Angeles, Cal.

Steel Wire.

(See Wire, Steel.)

Steel Work, Pressed.

W. J. Clark Co., Salem, Ohio.
Federal Pressed Steel Co., Milwaukee, Wis.
W. H. Mullins Co., Salem, Ohio.

Steel Work, Structural.

(See Structural Iron and Steel.)

Steel Works Equipment.

Keystone Bronze Co., Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.

Steels, Butchers'.

John Chatillon & Sons, New York.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

Steering Gear, Automobile.

Edson Mfg. Co., Boston, Mass.
Warner Gear Co., Muncie, Ind.

Steering Gear, Steam.

American Engineering Co., Philadelphia, Pa.
Gas Engine and Power Co., and Charles L. Seabury & Co., Cons., New York.
Thomas Laughlin Co., Portland, Me.
Lidgerwood Mfg. Co., New York.

"Stenotype".

Stenotype Co., Indianapolis, Ind.

Stereotype Metals.

Merchant & Evans Co., Philadelphia, Pa.
Pacific Metal Works, San Frncisco, Cal.

Sterilizers.

John B. Adt Co., Baltimore, Md.
Bernstein Mfg. Co., Philadelphia, Pa.
Kny-Scheerer Co., New York.
L. O. Koven & Brother, Jersey City, N. J.

Sterilizing Apparatus for Clothing.

Troy Laundry Machinery Co., Ltd., Chicago, Ill.

Stills.

E. B. Badger & Sons Co., Boston, Mass.
Eimer & Amend, New York.
Petroleum Iron Works of Ohio, Sharon, Pa.
Sowers Mfg. Co., Buffalo, N. Y.
Stevens Brothers, New York.

Stills, Water.

(See Distilling Apparatus, Water.)

Stokers, Mechanical.

American Engineering Co., Philadelphia, Pa.
Oscar Barnett Foundry Co., Irvington, N. J.
Duncan Foundry and Machine Co., Alton, Ill.
Murphy Iron Works, Detroit, Mich.
Under-Feed Stoker Co. of America, Chicago, Ill.
Westinghouse Machine Co., East Pittsburgh, Pa.

Stone, Broken, for Contractors.

Finch, Pruyn & Co., Inc., Glens Falls, N. Y.
France Stone Co., Toledo, Ohio.

Stone, Building.

Booth Bros. & Hurricane Isle Granite Co., New York.
Cleveland Stone Co., Cleveland, Ohio.
Consolidated Stone Co., Bedford, Ind.
Rockport Granite Co., Rockport, Mass.

Stone, Pumice, Rotten, Etc.

Hammill & Gillespie, New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Stones, Sharpening.

(See Sharpeners, Knife and Scythe.)

Stoneware, Chemical.

Robinson Clay Products Co. of New York, Akron, Ohio.

Stoneware, Glazed.

Pacific Sewer Pipe Co., Los Angeles, Cal.
Robinson Clay Products Co. of New York, Akron, Ohio.

Stools, Factory, Steel.

W. J. Clark Co., Salem, Ohio.
New Britain Machine Co., New Britain, Conn.
Toledo Metal Furniture Co., Toledo, Ohio.

Stools, Office.

Webster Mfg. Co., Superior, Wis.

Stools, Piano and Organ.

Herzog Art Furniture Co., Saginaw, W. S., Mich.
W. W. Kimball Co., Chicago, Ill.
Charles Parker Co., Meriden, Conn.
William Tonk & Bro., Inc., New York.
Weaver Piano Co., York, Pa.

Stoppers.

Brass Goods Mfg. Co., Brooklyn, N. Y.
Gaynor Mfg. Co., Bridgeport, Conn.
B. F. Goodrich Co., Akron, Ohio.

Stout and Porter.

P. Ballantine & Sons, Newark, N. J.
Bartholomay Brewery Co., Rochester, N.Y.
C. H. Evans & Sons, Hudson, N. Y.
Lembeck & Betz Eagle Brewing Co., Jersey City, N. J.
Massachusetts Breweries Co., Boston, Mass.
Ropkins & Co., Hartford Conn.
C. Schmidt & Sons Brewing Co., Philadelphia, Pa.
Yale Brewing Co., Inc., New Haven, Conn.

Stoves, Alcohol.

American Stove Co., St. Louis, Mo.

Stoves, Coal and Wood.

American Stove Co., St. Louis, Mo.
Beckwith Co., Dowagiac, Mich.
Buckwalter Stove Co., Royersford, Pa.
Cole Mfg. Co., Chicago, Ill.
Continental Stove Co., Richmond, Va.
Co-Operative Foundry Co., Rochester, N.Y.
Abram Cox Stove Co., Philadelphia, Pa.
Detroit Stove Works, Detroit, Mich.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Favorite Stove and Range Co., Piqua, O.
Floyd-Wells Co., Royersford, Pa.
Fuller-Warren Co., Milwaukee, Wis.
Fuller & Warren Co., Troy, N. Y.
Germer Stove Co., Erie, Pa.
Grander Stove Co., Royersford, Pa.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Marshall-Wells Hardware Co., Duluth, Minn.
Michigan Stove Co., Detroit, Mich.
J. L. Mott Iron Works, New York.
National Enameling and Stamping Co., New York.
O. K. Stove and Range Co., Inc., Louisvile, Ky.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Portsmouth Stove and Range Co., Portsmouth, Ohio.

Stoves, Coal and Wood—Cont.

Richardson & Boynton Co., New York.
Southard Robertson Co., New York.
Stamford Foundry Co., Stamford, Conn.
Union Stove Works, New York.
H. Wetter Mfg. Co., Memphis, Tenn.
Wrought Iron Range Co., St. Louis, Mo.

Stoves, Electric.

American Stove Co., St. Louis, Mo.
Manhattan Electrical Supply Co., Inc., New York.
Rochester Stamping Co., Rochester N. Y.

Stoves, Gas.

American Foundry and Machine Co., Hamilton, Ohio.
American Stove, St. Louis, Mo.
Buckwalter Stove Co., Royersford, Pa.
Continental Stove Co., Richmond, Va.
Co-Operative Foundry Co., Rochester, N.Y.
Abram Cox Stove Co., Philadelphia, Pa.
Wm. M. Crane Co., New York.
Detroit Stove Works, Detroit, Mich.
Favorite Stove and Range Co., Piqua, O.
Fuller-Warren Co., Milwaukee, Wis.
Germer Stove Co., Erie, Pa
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Michigan Stove Co., Detroit, Mich.
J. L. Mott Iron Works, New York.
Portsmouth Stove and Range Co., Portsmouth, Ohio.
Silver & Co., Inc., Brooklyn, N. Y.
Southard Robertson Co., New York.
Union Stove Works, New York.

Stoves, Gasoline.

American Stove Co., St. Louis, Mo.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.

Stoves, Oil.

American Stove Co., St. Louis, Mo.
A. J. Lindemann & Hoverson Co., Milwaukee, Wis.
Edward Miller & Co., Meriden, Conn.
National Enameling and Stamping Co., New York.
Schütte & Koerting Co., Philadelphia, Pa.
Silver & Co., Inc., Brooklyn, N. Y.

Stoves, Station and Shop Heating.

Green's Car Wheel Mfg. Co., St. Louis, Mo.

Strainers, Brewers'.

Wittemann Co., Buffalo, N. Y.

Strainers, Intake.

Elliott Co., Pittsburgh, Pa.
Schütte & Koerting Co., Philadelphia, Pa.

Straps, Leather.

Alexander Brothers, Philadelphia, Pa.
Cottrell Saddlery Co., Inc., Richmond, Va.
Graton & Knight Mfg. Co., Worcester, Mass.
Hudson Belting Co., Worcester, Mass.
Marshall-Wells Hardware Co., Duluth, Minn.
Nathan Novelty Mfg. Co., New York.
Page Belting Co., Concord, N. H.
Perkins-Campbell Co., Cincinnati, Ohio.

Straps, Loom.

Page Belting Co., Concord, N. H.

Strawboard.

Brown Paper Co., Ft. Madison, Iowa.
La Fayette Box Board and Paper Co., La Fayette, Ind.

Street Railway Supplies.

American Car and Foundry Co., New York.
Aibert & J. M. Anderson Mfg. Co., Boston, Mass.
Barbour-Stockwell Co., Boston, Mass.
Brady Brass Co., Jersey City, N. J.
Bridgeport Brass Co., Bridgeport, Conn.
J. G. Brill Co., Philadelphia, Pa.
Central Lumber Co., Chattanooga, Tenn.
Chase-Shawmut Co., Newburyport, Mass.
Franklin Steel Works, Franklin, Pa.
General Electric Co., Schenectady, N. Y.
Globe Ticket Co., Philadelphia, Pa.
Hale & Kilburn Co., Philadelphia, Pa.
R. D. Nuttall Co., Pittsburgh, Pa.
Ohio Brass Co., Mansfield, Ohio.
Ohmer Fare Register Co., Dayton, Ohio.
Phillips Insulated Wire Co., Pawtucket, R. I.
United States Headlight Co., Buffalo,N.Y.
Van Dorn & Dutton Co., Cleveland, Ohio.
West Virginia Rail Co., Huntington, W. Va.

Stretchers, Carpet.

L. A. Sayre Co., Newark, N. J.

Stretchers, Wire.

Keystone Steel and Wire Co., Peoria, Ill.
A. H. Nilson Machine Co., Bridgeport, Conn.
Peerless Wire Fence Co., Adrian, Mich.
Richards-Wilcox Mfg. Co., Aurora, Ill.

Strings, Musical.

Waterbury Co., New York.

Strontium Salicylate.

Heyden Chemical Works, New York.
Merck & Co., New York.

Strops, Razor.

Carborundum Co., Niagara Falls, N. Y.
Koken Barbers' Supply Co., St. Louis, Mo.

Structural Iron and Steel.

Baker Iron Works, Los Angeles, Cal.
Berger Mfg. Co., Canton, Ohio.
Blaw Steel Construction Co., Pittsburgh, Pa.
Bourne-Fuller Co., Cleveland, Ohio.
Buffalo Structural Steel Co., Buffalo, N. Y.
Calumet Iron Works, Newark, N. J.
Canton Bridge Co., Canton, Ohio.
Chicago Railway Equipment Co., Chicago, Ill.
Colorado Fuel and Iron Co., Denver, Colo.
Davis Brothers, Philadelphia, Pa.
East Iron and Machine Co., Lima, Ohio.
Elyria Iron and Steel Co., Elyria, Ohio.
Federal Bridge and Structural Co., Waukesha, Wis.
Forest City Steel and Iron Co., Cleveland, Ohio.
Franklin Steel Works, Franklin, Pa.
Gregg Co., Ltd., Hackensack, N. J.
Independent Bridge Co., Pittsburgh, Pa.
Indiana Bridge Co., Muncie, Ind.
Inland Steel Co., Chicago, Ill.
Interstate Iron and Steel Co., Chicago, Ill.
Knoxville Iron Co., Knoxville, Tenn.
Levgar Structural Co., New York.

Structural Iron and Steel—Cont.

Llewellyn Iron Works, Los Angeles, Cal.
Lockhart Iron and Steel Co., Pittsburgh, Pa.
Love Brothers, Inc., Aurora, Ill.
James McKinney & Son, Albany, N. Y.
McMyler Interstate Co., Bedford, Ohio.
Milliken Brothers, Inc., Milliken, Staten Island, N. Y.
John Mohr & Sons, Chicago, Ill.
Mesquier & Jones Co., Portland, Me.
C. Pardee Works, Perth Amboy, N. J.
Pittsburgh Bridge and Iron Works, Rochester, Pa.
Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa.
William B. Scaife & Sons Co., Oakmont, Pa.
Smith & Caffrey Co., Syracuse, N. Y.
Standard Bridge Co., Omaha, Neb.
Sweet's Steel Co., Williamsport, Pa.
Trussed Concrete Steel Co., Youngstown, Ohio.
Virginia Bridge and Iron Co., Roanoke, Va.
Union Iron Works of Los Angeles, Los Angeles, Cal.
West Side Structural Co., Watervliet, N. Y.
Wisconsin Bridge and Iron Co., Milwaukee, Wis.

Stucco.

Woodville Lime and Cement Co., Toledo, Ohio.

Strychnine.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Charles Pfizer & Co., Inc., New York.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Studs, Shoe Lacing.

(See Hooks, Shoe Lacing.)

Stuffers, Sausage.

Brecht Co., St. Louis, Mo.
Thomas Devlin Mfg. Co., Inc., Philadelphia, Pa.

Sugar.

Arbuckle Brothers, New York.
Fajardo Sugar Co., New York.
Milliken & Farwell, New Orleans, La.
National Sugar Refining Co. of New Jersey, Brooklyn, N. Y.
Leonce M. Soniat, Dorcyville, La.
Spreckels Sugar Co., San Francisco, Cal.
Warner Sugar Refining Co., New York.
Western Sugar Refining Co., San Francisco, Cal.

Sugar, Grape.

Corn Products Refining Co., New York.
Merck & Co., New York.

Sugar, Malt.

Mead, Johnson & Co., Evansville, Ind.

Sugar of Milk.

Merck & Co., New York.

Sugar, Raw.

Welch & Co., San Francisco, Cal.

Suit Cases.

William Bal Co., Newark, N. J.
M. C. Lilley & Co., Columbus, Ohio.
C. A. Malm & Co., San Francsico, Cal.

Suitings, Woolen and Worsted.

Botany Worsted Mills, Passaic, N. J.
Cleveland Worsted Mills Co., Cleveland, Ohio.
Dunn Worsted Mills, Woonsocket, R. I.
Joseph E. Fletcher, Providence, R. I.
Forstman & Huffmann Co., Passaic, N. J.
Thomas Kay Woolen Mill Co., Salem, Ore.
J. R. Keim & Co., Philadelphia, Pa.
Louis Kraemer & Co., Reading, Pa.
Leominster Worsted Co., Leominster, Mass.
Lymansville Co., Providence, R. I.
Morton H. Meinhard & Co., New York.
Nixon, Walker & Tracy, New York.
Thomas Oakes & Co., Bloomfield, N. J.
Roy Woolen Co., Watervliet, N. Y.
Shelbourne Mills, Philadelphia, Pa.
Thomas H. Wilson, Inc., Philadelphia, Pa.

Suits, Women's.

(See Costumes and Wraps, Women's.)

Sulphur.

Freeport Sulphur Co., New York.
General Chemical Co., New York.
Merck & Co., New York.
Union Sulphur Co., New York.

Superheaters, Steam.

Power Specialty Co., New York.

Superphosphates.

Virginia-Carolina Chemical Co., Richmond, Va.

Surgical Appliances.

Davol Rubber Co., Providence, R. I.
Ferris Brothers Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., Tuckahoe, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Kny-Scheerer Co., New York.
A. A. Marks, New York.
Miller Rubber Co., Akron, Ohio.
Nathan Novelty Mfg. Co., New York.
Parker, Stearns & Co., Brooklyn, N. Y.
Seabury & Johnson, New York.
Stamford Rubber Supply Co., Stamford, Conn.

Surreys.

Moon Brothers Carriage Co., St. Louis, Mo.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
Montgomery Ward & Co., Chicago, Ill.

Suspenders.

Crescent Garter Co., New York.
Hewes & Potter, Boston, Mass.
Morris Brothers, New York.
Ohio Suspender Co., Mansfield, Ohio.
Pioneer Suspender Co., Philadelphia, Pa.
Russell Mfg. Co., Middletown, Conn.
A. Ziegler & Sons Co., Boston, Mass.

Swages, Saw.

Henry Disston & Sons, Inc., Philadelphia, Pa.

Sweaters.

Gilbert Knitting Co., Little Falls, N. Y.
Julius Kayser & Co., New York.
F. A. Patrick & Co., Duluth, Minn.
M. N. Mayehoff & Co., Inc., Norwalk, Conn.
Mohawk Valley Cap Factory, Utica, N. Y.
Swansdown Knitting Co., Hudson, N. Y.

Sweepers, Street.

Austin Mfg. Co., Chicago, Ill.
Studebaker Corporation of America, South Bend, Ind.

Sweepers, Street Railway.

J. G. Brill Co., Philadelphia, Pa.

Sweeping Compound.

C. B. Dolge Co., Westport, Conn.

Switchboards, Electric (Telephone, Light, Etc.)

Frank Adam Electric Co., St. Louis, Mo.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Automatic Electric Co., Chicago, Ill.
Connecticut Telephone and Electric Co., Meriden, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Kellogg Switchboard and Supply Co., Chicago, Ill.
Sprague Electric Works of General Electric Co., New York.
Trumbull Electric Mfg. Co., Plainville, Conn.

Switches, Electrical.

Frank Adam Electric Co., St. Louis, Mo.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Arrow Electric Co., Hartford, Conn.
Bijur Motor Lighting Co., Hoboken, N. J.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Connecticut Telephone and Electric Co., Meriden, Conn.
C. Cowles & Co., New Haven, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Cutter Electrical and Mfg. Co., Philadelphia, Pa.
D. & W. Fuse Co., Providence, R. I.
Hart Mfg. Co., Hartford, Conn.
Hart & Hegeman Mfg. Co., Hartford, Conn.
Harvey Hubbell, Inc., Bridgeport, Conn.
Francis Keil & Son, New York.
Manhattan Electrical Supply Co., New York.
W. R. Ostrander & Co., New York.
Pass & Seymour, Inc., Syracuse, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.

Switches, Railway.

(See Frogs and Switches.)

Syphons, Steam.

Eynon-Evans Mfg. Co., Philadelphia, Pa.

Syringes, Fountain.

Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Hodgman Rubber Co., Tuckahoe, N. Y.
Parker, Stearns & Co., Brooklyn, N. Y.
Whitall-Tatum Co., New York.

Syringes, Hard Rubber.

American Hard Rubber Co., New York.
Davol Rubber Co., Providence, R. I.
B. F. Goodrich Co., Akron, Ohio.
Parker, Stearns & Co., Brooklyn, N. Y.
Vulcanized Rubber Co., New York.

Syringes, Hypodermic.

Consolidated Dental Mfg. Co., New York.
E. Kessling Thermometer Co., Inc., Brooklyn, N. Y.
Parke, Davis & Co., Detroit, Mich.

Syrups.

American Preserve Co., Philadelphia, Pa.
P. Ballantine & Sons, Newark, N. J.
Corn Products Refining Co., New York.
Curtice Brothers Co., Rochester, N. Y.
Knickerbocker Chocolate Co., New York.
Eli Lilly & Co., Indianapolis, Ind.
National Sugar Refining Co. of New Jersey, Brooklyn, N. Y.
Penick & Ford, Ltd., New Orleans, La.
United Drug Co., Boston, Mass.
Montgomery Ward & Co., Chicago, Ill.
Warner Sugar Refining Co., New York.

Syrups, Malt Sugar.

Mead, Johnson & Co., Evansville, Ind.

Table Covers.

H. B. Claflin Corp., New York.
Robert Lewis Co., Bridesburg, Pa.
Moss Rose Mfg. Co., Philadelphia, Pa.
Renfrew Mfg. Co., Adams, Mass.

Table Tops, Porcelain Enamel.

Ingram-Richardson Mfg. Co., Beaver Falls, Pa.

Tables, Bedside.

Sligh Furniture Co., Grand Rapids, Mich.

Tables, Billiard and Pool.

Brunswick-Balke-Collender Co., New York.

Tables, Dining Room.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Doernbecher Mfg. Co., Portland, Ore.
New Orleans Furniture Mfg. Co., New Orleans, La.
M. Reischmann & Sons, Inc., New York.
Royal Furniture Co., Grand Rapids, Mich.
Royal Mantel and Furniture Co., Rockford, Ill.
Skandia Furniture Co., Rockford, Ill.

Tables, Office, Library, Parlor, Etc.

A. H. Andrews Co., Chicago, Ill.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Davis-Birely Table Co., Shelbyville, Ind.
Doernbecher Mfg. Co., Portland, Ore.
C. H. Haberkorn & Co., Detroit, Mich.
Hannahs Mfg. Co., Kenosha, Wis.
Herzog Art Furniture Co., Saginaw, Mich.
Horrocks Desk Co., Herkimer, N. Y.
Imperial Furniture Co., Grand Rapids, Mich.
New Orleans Furniture Mfg. Co., New Orleans, La.
Northern Furniture Co., Sheboygan, Wis.
Royal Furniture Co., Grand Rapids, Mich.

Tables, Office, Library, Parlor, Etc.—Cont.

Royal Mantel and Furniture Co., Rockford, Ill.
Showers Brothers Co., Bloomington, Ind.
Skandia Furniture Co., Rockford, Ill.
Sligh Furniture Co., Grand Rapids, Mich.
Standard Furniture Co., Herkimer, N. Y.

Tables, Porcelain Top.

White Enamel Refrigerator Co., St. Paul, Minn.

Tables, Steel.

New Britain Machine Co., New Britain, Conn.
Toledo Metal Furniture Co., Toledo, O.

Tables, Transfer.

Brown Hoisting Machinery Co., Cleveland, Ohio.
Link-Belt Co., Chicago, Ill.

Tablets, Medicinal.

Eli Lilly & Co., Indianapolis, Ind.
Merck & Co., New York.
Dr. Miles' Medical Co., Elkhart, Ind.
Parke, Davis & Co., Detroit, Mich.
Schieffelin & Co., New York.
Seabury & Johnson, New York.

Tablets, Memorial.

Gorham Co., New York.
Manhattan Brass Co., New York.
Reed & Barton, Taunton, Mass.

Tablets, Paper.

Birnie Paper Co., Springfield, Mass.
J. C. Blair Co., Huntingdon, Pa.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Everett Pulp and Paper Co., Everett, Wash.
Reynolds & Reynolds Co., Dayton, Ohio.

Tableware, Silver-Plated.

(See Silverware, Plated.)

Tableware, Sterling Silver.

(See Silverware, Sterling.)

Tachometers.

(See also Meters, Current, for Stream Gauging.)
Veeder Mfg. Co., Hartford, Conn.

Tacks.

National Screw and Tack Co., Cleveland, Ohio.
Rome Brass and Copper Co., Rome, N. Y.
Sargent & Co., New York.

Tacks, Thumb.

Mattatuck Mfg. Co., Waterbury, Conn.
Saugatuck Mfg. Co., Saugatuck, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Tag Cloth.

Joseph Bancroft & Sons Co., Wilmington, Del.
National Tracing Cloth Co., Saylesville, R. I.

Tags, Metal.

Higgin Mfg. Co., Newport, Ky.

Tags, Shipping.

American Tag Co., Chicago, Ill.
Reyburn Mfg. Co., Philadelphia, Pa.

Tailors.

E. W. Emery Co., New York.
John Patterson & Co., New York.
Progress Tailoring Co., Chicago, Ill.
Stein-Bloch Co., Rochester, N. Y.
B. Stern & Son, New York.

Talc.

Binney & Smith Co., New York.
Hammill & Gillespie, New York.
Merck & Co., New York.
C. K. Williams & Co., Easton, Pa.

Talking Machines and Records.

(See Phonographs; also Phonograph Records.)

Tallow.

American Glue Co., Boston, Mass.
Consolidated Rendering Co., Boston, Mass.
Moore Oil Co., Cincinnati, Ohio.
Pittsburgh Melting Co., Pittsburgh, Pa.
Wilson & Co., Chicago, Ill.

Tanks, Gasoline Storage.

Air-Tight Steel Tank Co., Pittsburgh, Pa.
S. F. Bowser & Co., Inc., Ft. Wayne, Ind.
L. O. Koven & Brother, Jersey City, N. J.
Stewart-Warner Speedometer Corp., Chicago, Ill.
William Vogel & Bros., Inc., Brooklyn, N. Y.
Wayne Oil Tank and Pump Co., Ft. Wayne, Ind.

Tanks, Iron and Steel.

Air-Tight Steel Tank Co., Pittsburgh, Pa.
American Car and Foundry Co., New York.
Andrew Steel Co., Newport, Ky.
Atlantic Works, East Boston, Mass.
Bath Iron Works, Ltd., Bath, Me.
Bigelow Co., New Haven, Conn.
S. F. Bowser & Co., Inc., Fort Wayne, Ind.
John Brennan & Co., Detroit, Mich.
Brownell Co., Dayton, Ohio.
Calumet Iron Works, Newark, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Bridge and Iron Works, Chicago, Ill.
D. M. Diilon Steam Boiler Works, Fitchburg, Mass.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Erie City Iron Works, Erie, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendalville, Ind.
Frick Co., Waynesboro, Pa.
Gray-Hawley Mfg. Co., Detroit, Mich.
Holbrook, Merrill & Stetson, San Francisco, Cal.
L. O. Koven & Brother, Jersey City, N. J.
Kroeschell Brothers Co., Chicago, Ill.
Lacy Mfg. Co., Los Angeles, Cal.
Littleford Brothers, Cincinnati, Ohio.
Llewellyn Iron Works, Los Angeles, Cal.

Tanks, Iron and Steel—Cont.

Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Ship Building Co., Manitowoc, Wis.
Milwaukee Reliance Boiler Works, Milwaukee, Wis.
John Mohr & Sons, Chicago, Ill.
I. P. Morris Co., Philadelphia, Pa.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Pusey & Jones Co., Wilmington, Del.
Rasner & Dinger Co., Pittsburgh, Pa.
Schaw-Batcher Co. Pipe Works, Sacramento, Cal.
William B. Scaife & Sons Co., Oakmont, Pa.
Stacey Brothers Gas Construction Co., Elmwood Place, Cincinnati, Ohio.
Stacey Mfg. Co., Cincinnati, Ohio.
Tippett & Wood, Phillipsburg, N. J.
Variety Iron and Steel Works Co., Cleveland, Ohio.
Virginia Bridge and Iron Co., Roanoke, Va.
P. Wall Mfg. Supply Co., Pittsburgh, Pa.
Wayne Oil Tank and Pump Co., Ft. Wayne, Ind.
Western Gas Construction Co., Fort Wayne, Ind.
Western Pipe and Steel Co. of California, San Francisco, Cal.
Willamette Iron and Steel Works, Portland, Ore.
Wittemann Co., Buffalo, N. Y.
John Wood Mfg. Co., Conshohocken, Pa.

Tanks, Sewage.

L. O. Koven & Brother, Jersey City, N. J.

Tanks, Wooden.

R. H. Downman, New Orleans, La.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendalville, Ind.
Amos H. Hall & Sons, Philadelphia, Pa.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Union Lumber Co., San Francisco, Cal.

Tanners' Supplies.

Arabol Mfg. Co., New York.

Tannin.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.

Tap Extensions.

Allen Mfg. Co., Hartford, Conn.

Tape, Cotton.

Buffalo Weaving and Belting Co., Buffalo, N. Y.
D. Goff & Sons, Pawtucket, R. I.
Hope Webbing Co., Providence, R. I.
Krout & Fite Mfg. Co., Philadelphia, Pa.
Lees Mfg. Co., Westport, Conn.
Russell Mfg. Co., Middletown, Conn.
Weimar Brothers, Philadelphia, Pa.

Tape, Elastic.

Ansonia O & C Co., Ansonia, Conn.
Russell Mfg. Co., Middletown, Conn.

Tape, Insulating.
Hope Webbing Co., Providence, R. I.
Okonite Co., New York.
Standard Paint Co., New York.

Tape, Measuring.
W. & L. E. Gurley, Troy, N. Y.
L. S. Starrett Co., Athol, Mass.

Tape, Silk.
Krout & Fite Mfg. Co., Philadelphia, Pa.
William Wicke Ribbon Co., Glendale, N. Y.

Tape, Upholsterers'.
Hope Webbing Co., Providence, R. I.

Tapestry.
Robert Lewis Co., Bridesburg, Pa.
Moss Rose Mfg. Co., Philadelphia, Pa.

Tapping Devices.
National-Acme Mfg. Co., Cleveland, Ohio.
Whitney Mfg. Co., Hartford, Conn.

Taps and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Champion Blower and Forge Co., Lancaster, Pa.
Geometric Tool Co., New Haven, Conn.
Greenfield Tap and Die Corp., Greenfield, Mass.
Hart Mfg. Co., Cleveland, Ohio.
Morse Twist Drill and Machine Co., New Bedford, Mass.
National-Acme Mfg. Co., Cleveland, Ohio.
Niles-Bement-Pond Co., New York.
Oster Mfg. Co., Cleveland, Ohio.
Reed Mfg. Co., Erie, Pa.
Standard Tool Co., Cleveland, Ohio.

Taps, Wood.
John Sommer Faucet Co., Newark, N. J.

Tar, Hardwood.
Lackawanna Chemical Co., Olean, N. Y.

Targets, Clay.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.

Tarpaulins, Waterproof.
John Boyle & Co., Inc., New York.
Fulton Bag and Cotton Mills, Atlanta, Ga.
A. J. Tower Co., Boston, Mass.

Taximeters.
Ohmer Fare Register Co., Dayton, Ohio.

Tea Wagons.
C. K. Haberkorn & Co., Detroit, Mich.
Imperial Furniture Co., Grand Rapids, Mich.
Skandia Furniture Co., Rockford, Ill.

Teas.
B. Fischer & Co., New York.
Woolson Spice Co., Toledo, Ohio.

Tedders, Hay.
International Harvester Corp., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.

Teeth, Artificial.
Columbus Dental Mfg. Co., Columbus, O.
Consolidated Dental Mfg. Co., New York.
Dentists' Supply Co., New York.

Teeth, Threshing Machine.
Transue & Williams Co., Alliance, Ohio.

Telegraph and Telephone Supplies.
(See also Electrical Supplies.)
American Brass Co., Waterbury, Conn.
American Hard Rubber Co., New York.
American Iron and Steel Mfg. Co., Lebanon, Pa.
Atlantic Insulated Wire and Cable Co., New York.
Automatic Electric Co., Chicago, Ill.
C. H. Brownell, Peru, Ind.
Central Lumber Co., Chattanooga, Tenn.
Connecticut Telephone and Electric Co., Meriden, Conn.
D & W Fuse Co., Providence, R. I.
General Electric Co., Schenectady, N. Y.
B. F. Goodrich Co., Akron, Ohio.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Hubbard Mfg. Co., Pittsburgh, Pa.
International Creosoting and Construction Co., Galveston, Texas.
Kellogg Switchboard and Supply Co., Chicago, Ill.
Manhattan Electrical Supply Co., New York,
More-Jones Brass and Metal Co., St. Louis, Mo.
Ohio Brass Co., Mansfield, Ohio.
Okonite Co., New York.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Pacific Creosoting Co., Seattle, Wash.
Phillips Insulated Wire Co., Pawtucket, R. I.
Pittsburgh Steel Co., Pittsburgh, Pa.
John A. Roebling's Sons Co. of New York, New York.
Safety Insulated Wire and Cable Co., New York.
St. Louis Screw Co., St. Louis, Mo.
John Sommer Faucet Co., Newark, N. J.
Standard Underground Cable Co., Pittsburgh, Pa.

Telephones.
Automatic Electric Co., Chicago, Ill.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Kellogg Switchboard and Supply Co., Chicago, Ill.
Manhattan Electrical Supply Co., New York.

Telephones, Portable.
Connecticut Telephone and Electric Co., Meriden, Conn.

Tenoners, Wood.
(See Machinery, Wood Working.)

Tents.
Ames-Harris-Neville Co., San Francisco, Cal.
John Boyle & Co., Inc., New York.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Marshall-Wells Hardware Co., Duluth, Minn.

Terminals, Cable.
Standard Underground Cable Co., Pittsburgh, Pa.

Terra Alba.
Hammill & Gillespie, New York.
Higginson Mfg. Co., Newburgh, N. Y.
C. K. Williams & Co., Easton, Pa.

Terra Cotta, Architectural.
Atlantic Terra Cotta Co., New York.
N. Clark & Sons, San Francisco, Cal.
Federal Terra Cotta Co., New York.
Galloway Terra Cotta Co., Philadelphia, Pa.
O. W. Ketcham, Philadelphia, Pa.
Ludowici-Celadon Co., Chicago, Ill.
New Jersey Terra Cotta Co., New York.
Northwestern Terra Cotta Co., Chicago, Ill.
Rookwood Pottery Co., Cincinnati, Ohio.
South Amboy Terra Cotta Co., South Amboy, N. J.
Winkle Terra Cotta Co., St. Louis, Mo.

Testers, Flour.
Nordyke & Marmon Co., Indianapolis, Ind.

Testing Laboratory Apparatus.
Eimer & Amend, New York.
Fairbanks, Morse & Co., Chicago, Ill.
W. S. Tyler Co., Cleveland, Ohio.

Testing Machines, Rubber.
Pusey & Jones Co., Wilmington, Del.

Textile Sizing.
Arabol Mfg. Co., New York.
Bull's Ferry Chemical Co., New York.

Theatre Supplies.
Chase-Shawmut Co., Newburyport, Mass.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
General Elevator Co., New York.

Thermometers, Barometers, Etc.
John Chatillon & Sons, Inc., New York.
Cooper Oven Thermometer Co., Pequabuck, Conn.
Eimer & Amend, New York.
E. Kessling Thermometer Co., Inc., Brooklyn, N. Y.
C. J. Tagliabue Mfg. Co., Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.

Thermometers, Clinical.
E. Kessling Thermometer Co., Inc., Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.

Thermometers, Oven.
Cooper Oven Thermometer Co., Pequabuck, Conn.

"Thermos" Articles.
American Thermos Bottle Co., New York.

Thimbles, Sewing.
Waite-Thresher Co., Providence, R. I.

Thimbles, Wire Rope.
Thomas Laughlin Co., Portland, Me.

Thread, Cotton.
Blodgett & Orswell Co., Pawtucket, R. I.
J. & P. Coats (Rhode Island), Inc., Pawtucket, R. I.
Kavanaugh Knitting Co., Inc., Waterford, N. Y.

Thread, Linen.
Linen Thread Co., New York.
Smith & Dove Mfg. Co., Andover, Mass.

Thread, Rubber.
Mechanical Fabric Co., Providence, R. I.
United States Rubber Export Co., New York.

Thread, Silk.
(See Silk, Sewing.)

Thresher Attachments and Supplies.
J. I. Case Threshing Machine Co., Racine, Wis.
Frick Co., Waynesboro, Pa.
Hart Grain Weigher Co., Peoria, Ill.
Huber Mfg. Co., Inc., Marion, Ohio.
Transue & Williams Co., Alliance, Ohio.

Threshers.
Advance-Rumely Thresher Co., Inc., La Porte, Ind.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Buffalo Pitts Co., Buffalo, N. Y.
Cardwell Machine Co., Richmond, Va.
J. I. Case Threshing Machine Co., Racine, Wis.
Emerson-Brantingham Co., Rockford, Ill.
A. B. Farquhar & Co., New York.
Frick Co., Waynesboro, Pa.
Huber Mfg. Co., Inc., Marion, Ohio.

Threshers, Bean.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Buffalo Pitts Co., Buffalo, N. Y.

Threshers, Rice.
Aultman & Taylor Machinery Co., Mansfield, Ohio.
Buffalo Pitts Co., Buffalo, N. Y.
Cardwell Machine Co., Richmond, Va.
Emerson-Brantingham Co., Rockford, Ill.
Engelberg Huller Co., Syracuse, N. Y.

Tickets, Railway, Theatre, Etc.
Allen, Lane & Scott, Philadelphia, Pa.
Globe Ticket Co., Philadelphia, Pa.
Poole Brothers, Chicago, Ill.
Rand McNally & Co., Chicago, Ill.
Stevenson & Foster Co., Pittsburgh, Pa.

Tickings.
(See Cotton Tickings.)

Tie Bars, Railway.
Morden Frog and Crossing Works, Chicago, Ill.
Scranton Bolt and Nut Co., Scranton, Pa.

Tie Plates, Railway.
Colorado Fuel and Iron Co., Denver, Colo.
Dilworth, Porter & Co., Inc., Pittsburgh, Pa.
Elyria Iron and Steel Co., Elyria, Ohio.
Inland Steel Co., Chicago, Ill.
Interstate Iron and Steel Co., Chicago, Ill.
Morden Frog and Crossing Works, Chicago, Ill.
Sweet's Steel Co., Williamsport, Pa.
Whitaker-Glessner Co., Wheeling, W. Pa.

Ties, Cotton.

(See Hoops, Iron and Steel.)

Ties, Railway.

Caspar Lumber Co., San Francisco, Cal.
L. N. Dantzler Lumber Co., Moss Point, Miss.
Great Southern Lumber Co., Bogalusa, La.
Gulf Lumber Co., East St. Louis, Ill.
International Creosoting and Construction Co., Galveston, Texas.
Pacific Creosoting Co., Seattle, Wash.
Potlatch Lumber Co., Potlatch, Idaho.
St. Paul and Tacoma Lumber Co., Tacoma, Wash.
Union Lumber Co., San Francisco, Cal.

Ties, Steel.

Gregg Co., Ltd., Hackensack, N. J.
Sweet's Steel Co., Williamsport, Pa.

Tile, Building, Hollow.

W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Hydraulic-Press Brick Co., St. Louis, Mo.
Anthony Ittner Brick Co., St. Louis, Mo.
Mason City Brick and Tile Co., Mason City, Iowa.
National Fire Proofing Co., Pittsburgh, Pa.
Salmen Brick and Lumber Co., Ltd., New Orleans, La.
Trussed Concrete Steel Co., Youngstown, Ohio.

Tile, Drain, Vitrified.

W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Evens & Howard Fire Brick Co., St. Louis, Mo.
Anthony Ittner Brick Co., St. Louis, Mo.
Mason City Brick and Tile Co., Mason City, Iowa.
National Fire Proofing Co., Pittsburgh, Pa.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Robinson Clay Products Co. of New York Akron, Ohio.

Tiles, Enameled, Glazed, Etc.

American Enameled Brick and Tile Co., New York.
American Encaustic Tiling Co., Ltd., New York.
Samuel H. French & Co., Philadelphia, Pa.
National Fire Proofing Co., Pittsburgh, Pa.
C. Pardee Works, Perth Amboy, N. J.
Rookwood Pottery Co., Cincinnati, Ohio.

Tile, Fire.

N. Clark & Sons, San Francisco, Cal.
W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Evens & Howard Fire Brick Co., St. Louis, Mo.
National Fire Proofing Co., Pittsburgh, Pa.

Tile, Floor.

American Encaustic Tiling Co., Ltd., New York.
C. Pardee Works, Perth Amboy, N. J.
Streator Brick Co., Streator, Ill.
United States Gypsum Co., Chicago, Ill.

Tile, Gypsum.

United States Gypsum Co., Chicago, Ill.

Tiles, Marble.

(See Slabs, Marble.)

Tiles, Metal.

Edwards Mfg. Co., Cincinnati, Ohio.
Meurer Brothers Co., Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.

Tile, Roofing.

W. S. Dickey Clay Mfg. Co., Kansas City, Mo.
Ludowici-Celadon Co., Chicago, Ill.
United States Gypsum Co., Chicago, Ill.

Tile, Roofing, Cement.

American Cement Tile Mfg. Co., Pittsburgh, Pa.

Tiling, Rubber.

B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
United States Rubber Export Co., Ltd., New York.

Timbers, Mining.

(See Lumber, Fir and Spruce.)

Time Detectors.

(See Clocks, Watchman's.)

Time Registers.

(See Registers, Time.)

Tin, Bar.

Goldschmidt Detinning Co., New York.

Tin Oxide.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Roessler & Hasslacher Chemical Co., New York.

Tin, Phosphorized.

(See Phosphorized Tin.)

Tin, Tetrachloride of.

General Chemical Co., New York.
Goldschmidt Detinning Co., New York.
Merck & Co., New York.

Tinctures.

Eli Lilly & Co., Indianapolis, Ind.
Merck & Co., New York.
Parke, Davis & Co., Detroit, Mich.

Tinned Food.

(See Canned Goods.)

Tinners' Trimmings.

William Vogel & Bros., Inc., Brooklyn, N. Y.

Tinplates.

(See Plates, Tin.)

Tinware.

Baltimore Stamping and Enameling Co., Baltimore, Md.
Central Stamping Co., New York.
Cleveland Stamping and Tool Co., Cleveland, Ohio.

Tinware—Cont.

Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Holbrook, Merrill & Stetson, San Francisco, Cal.
National Enameling and Stamping Co., New York.
Stuber & Kuck Co., Peoria, Ill.

Tips, Shoe Lace.

Platt Brothers & Co., Waterbury, Conn.

Tire Accessories.

Double Fabric Tire Co., Auburn, Ind.
Firestone Tire and Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
B. F. Goodrich Co., Akron, Ohio.
Marathon Tire and Rubber Co., Cuyahoga Falls, Ohio.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, Ohio.
Morgan & Wright, Inc., Detroit, Mich.
Rowe Calk Co., Hartford, Conn.
A. Schrader's Son, Inc., Brooklyn, N. Y.
Stewart-Warner Speedometer Corp., Chicago, Ill.

Tire Benders.

Champion Blower and Forge Co., Lancaster, Pa.
Illinois Iron and Bolt Co., Carpentersville, Ill.

Tire Fabrics.

Jenckes Spinning Co., Pawtucket, R. I.
J. H. Lane & Co., Inc., New York.
Manhasset Mfg. Co., Providence, R. I.
John H. Meyer & Co., Inc., New York.
West Boylston Mfg. Co., Easthampton, Mass.

Tires, Aeroplane.

B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.

Tires, Pneumatic.

Ajax Rubber Co., Inc., New York.
Brunswick-Balke-Collender Co., New York.
Dayton Rubber Mfg. Co., Dayton, Ohio.
Double Fabric Tire Co., Auburn, Ind.
Empire Rubber and Tire Co., Trenton, N. J.
Endurance Tire and Rubber Co., New York.
Firestone Tire and Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
G. & J. Tire Co., Indianapolis, Ind.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hartford Rubber Works Co., Hartford, Conn.
Kelly-Springfield Tire Co., New York.
Kokomo Rubber Co., Kokomo, Ind.
Lee Tire and Rubber Co., Conshohocken, Pa.
McGraw Tire and Rubber Co., East Palestine, Ohio.
Marathon Tire and Rubber Co., Cuyahoga Falls, Ohio.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, Ohio.
Morgan & Wright, Detroit, Mich.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Norwalk Tire and Rubber Co., Norwalk, Conn.

Tires, Pneumatic—Cont.

Pennsylvania Rubber Co., Jeannette, Pa.
Shapleigh Hardware Co., St. Louis, Mo.
United States Rubber Export Co., Ltd., New York.

Tires, Solid Rubber.

Acme Rubber Mfg. Co., Trenton, N. J.
Dayton Rubber Mfg. Co., Dayton, Ohio.
Firestone Tire and Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hartford Rubber Works Co., Hartford, Conn.
Kelly-Springfield Tire Co., New York.
McGraw Tire and Rubber Co., East Palestine, Ohio.
Morgan & Wright, Detroit, Mich.
Polack Tyre and Rubber Co., New York.
Quaker City Rubber Co., Philadelphia, Pa.
United States Rubber Export Co., Ltd., New York.

Tires, Steel.

Knoxville Iron Co., Knoxville, Tenn.
Railway Steel-Spring Co., New York.

Tobacco, Leaf and Cut.

Cayey-Caguas Tobacco Co., New York.
Luckett-Wake Tobacco Co., Louisville, Ky.

Tobacco, Smoking and Chewing.

I. Lewis Cigar Mfg. Co., Newark, N. J.
Philip Morris & Co., Ltd., New York.

Toilet Goods, Fancy.

Arlington Co., New York.
Fiberloid Co., Indian Orchard, Mass.
Florence Mfg. Co., Florence, Mass.
S. Langsdorf & Co., New York.
Bernard Rice's Sons, New York.
Samstag & Hilder Bros., New York.
William Schimper & Co., Hoboken, N. J.
United Drug Co., Boston, Mass.

Toilet Goods, Silver.

Theodore W. Foster & Bro. Co., Providence, R. I.
Gorham Co., New York.
Jennings Silver Co., Irvington, N. J.
R. Wallace & Son's Mfg. Co., Wallingford, Conn.
Webster Co., North Attleboro, Mass.

Toilet Preparations.

California Perfume Co., New York.
Daggett & Ramsdell, New York.
C. B. Dolge Co., Westport, Conn.
Grasselli Chemical Co., New York.
Hall & Ruckel, New York.
Andrew Jergens Co., Cincinnati, Ohio.
B. J. Johnson Soap Co., Milwaukee, Wis.
Jones Brothers Tea Co., Brooklyn, N. Y.
James S. Kirk & Co., Chicago, Ill.
Koken Barbers' Supply Co., St. Louis, Mo.
Lambert Pharmacal Co., St. Louis, Mo.
Larkin Co., Buffalo, N. Y.
Josephine Le Fevre Co., Inc., Philadelphia, Pa.
Parke, Davis & Co., Detroit, Mich.
Schieffelin & Co., New York.
Seabury & Johnson, New York.
Tetlow Mfg. Co., Philadelphia, Pa.
United Drug Co., Boston, Mass.
W. & H. Walker, Pittsburgh, Pa.
William Waltke & Co., St. Louis, Mo.
West Electric Hair Curler Co., Philadelphia, Pa.

Toluol.

Merck & Co., New York.
New Haven Gas Light Co., New Haven, Conn.
United Gas Improvement Co., Philadelphia, Pa.
Woodward Iron Co., Woodward, Ala.
Youngstown Sheet and Tube Co., Youngstown, Ohio.
Zenith Furnace Co., West Duluth, Minn.

Tongs.

Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.

Tool Grinders.

(See Grinders, Tool.)

Tool Sets, Hollow Handle.

Dikeman Mfg. Co., Norwalk, Conn.
John H. Graham & Co., New York.

Tools, Automobile.

Weaver Mfg. Co., Springfield, Ill.

Tools, Bakers' and Confectioners'.

Thomas Mills & Brother, Inc., Philadelphia, Pa.

Tools, Barbers'.

Acme Shear Co., Bridgeport, Conn.
P. A. Geier Co., Cleveland, Ohio.
John H. Graham & Co., New York.
Koken Barbers' Supply Co., St. Louis, Mo.
J. Wiss & Sons Co., Newark, N. J.

Tools, Blacksmiths'.

Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Evansville Tool Works, Evansville, Ind.
John H. Graham & Co., New York.
Heller Brothers Co., Newark, N. J.
Illinois Iron and Bolt Co., Carpentersville, Ill.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
David Maydole Hammer Co., Norwich, N. Y.
Millers Falls Co., Millers Falls, Mass.
New Britain Machine Co., New Britain, Conn.
Nicholson File Co., Providence, R. I.
North Brothers Mfg. Co., Philadelphia, Pa.
Charles Parker Co., Meriden, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.

Tools, Boilermakers'.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
David Maydole Hammer Co., Norwich, N. Y.

Tools, Bookbinders'.

W. O. Hickok Mfg. Co., Harrisburg, Pa.

Tools, Bricklayers' and Masons'.

Henry Disston & Sons, Inc., Philadelphia, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
David Maydole Hammer Co., Norwich, N. Y.

Tools, Bridgemen's.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Iron City Tool Works, Ltd., Pittsburgh, Pa.

Tools, Butchers'.

Brecht Co., St. Louis, Mo.
John Chatillon & Sons, New York.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Mack & Co., Rochester, N. Y.
Millers Falls Co., Millers Falls, Mass.

Tools, Carpenters'.

Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Evansville Tool Works, Evansville, Ind.
John H. Graham & Co., New York.
Grand Rapids Hardware Co., Grand Rapids, Mich.
Heller Brothers Co., Newark, N. J.
Illinois Iron and Bolt Co., Carpentersville, Ill.
Russell Jennings Mfg. Co., Chester, Conn.
Mack & Co., Rochester, N. Y.
David Maydole Hammer Co., Norwich, N. Y.
Millers Falls Co., Millers Falls, Mass.
Nicholson File Co., Providence, R. I.
North Brothers Mfg. Co., Philadelphia, Pa.
Charles Parker Co., Meriden, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sandusky Tool Co., Sandusky, Ohio.
Sargent & Co., New York.
Simonds Mfg. Co., Fitchburg, Mass.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.
James Swan Co., Seymour, Conn.
Union Mfg. Co., New Britain, Conn.
Vlchek Tool Co., Cleveland, Ohio.

Tools, Carving.

Millers Falls Co., Millers Falls, Mass.

Tools, Carving, Pneumatic.

Thos. H. Dallett Co., Philadelphia, Pa.

Tools, Cement.

S. Cheney & Son, Manlius, N. Y.
John H. Graham & Co., New York.

Tools, Contractors'.

Ames Shovel and Tool Co., Boston, Mass.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
John H. Graham & Co., New York.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Lakewood Engineering Co., Cleveland, O.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Pittsburgh Shovel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.

Tools, Coopers'.

Iron City Tool Works, Ltd., Pittsburgh, Pa
Klein-Logan Co., Pittsburgh, Pa.
Mack & Co., Rochester, N. Y.
David Maydole Hammer Co., Norwich, N. Y.
Ohio Knife Co., Cincinnati, Ohio.

Tools, Coopers'—Cont.

John S. Oram Co., Cleveland, Ohio.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sandusky Tool Co., Sandusky, Ohio.
Sargent & Co., New York.

Tools, Drainage.

Ames Shovel and Tool Co., Boston, Mass.
Spang & Co., Butler, Pa.
Wood Shovel and Tool Co., Piqua, Ohio.

Tools, Drilling.

Baker Iron Works, Los Angeles, Cal.
Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Denver Engineering Works Co., Denver, Colo.
Denver Rock Drill Mfg. Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Keystone Driller Co., Beaver Falls, Pa.
Millers Falls Co., Millers Falls, Mass.
North Brothers Mfg. Co., Philadelphia, Pa.
Oil Well Supply Co., Pittsburgh, Pa.
Star Drilling Machine Co., Akron, Ohio.
Union Tool Co., Los Angeles, Cal.
United States Electrical Tool Co., Cincinnati, Ohio.
Van Dorn Electric Tool Co., Cleveland, O.

Tools, Electric.

Jeffrey Mfg. Co., Columbus, Ohio.
United States Electrical Tool Co., Cincinnati, Ohio.
Van Dorn Electric Tool Co., Cleveland, O.

Tools, Electricians'.

(See also Electrical Supplies.)
Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
John H. Graham Co., New York.

Tools, Farm and Garden.

S. L. Allen & Co., Philadelphia, Pa.
American Fork and Hoe Co., Cleveland, O.
Bateman Mfg. Co., Grenloch, N. J.
Cronk & Carrier Mfg. Co., Elmira, N. Y.
John H. Graham & Co., New York.
Kelly Axe Mfg. Co., Charleston, W. Va.
F. E. Kohler Co., Canton, Ohio.
Philadelphia, Lawn Mower Co., Philadelphia, Pa.
Piqua Handle and Mfg. Co., Piqua, Ohio.
Pittsburgh Shovel Co., Pittsburgh, Pa.
Rock Island Plow Co., Rock Island, Ill.
Sandusky Tool Co., Sandusky, Ohio.
L. A. Sayre Co., Newark, N. J.
D. & H. Scovil, Inc., Higganum, Conn.
South Bend Chilled Plow Co., South Bend, Ind.
Wood Shovel and Tool Co., Piqua, Ohio.

Tools, Farriers'.

Heller Brothers Co., Newark, N. J.
David Maydole Hammer Co., Norwich, N. Y.
Nicholson File Co., Providence, R. I.

Tools, File.

Nicholson File Co., Providence, R. I.

Tools, Haying.

Kelly Axe Mfg. Co., Charleston, W. Va.
Sandwich Mfg. Co., Sandwich, Ill.

Tools, Hydraulic.

(See Riveters, Hydraulic; also Shears, Hydraulic; also Machinery, Hydraulic.)

Tools, Ice.

John Chatillon & Sons, Inc., New York.
Thomas Mills & Bro., Inc., Philadelphia, Pa.
North Brothers Mfg. Co., Philadelphia, Pa.
Stanley Rule and Level Co., New Britain, Conn.

Tools, Jewelers'.

Millers Falls Co., Millers Falls, Mass.
Nicholson File Co., Providence, R. I.
Charles Parker Co., Meriden, Conn.
L. S. Starrett Co., Athol, Mass.

Tools, Linemen's.

John H. Graham & Co., New York.

Tools, Logging.

(See also Axes,)
Warren Axe and Tool Co., Warren, Pa.

Tools, Machine.

(See also Machinery, Metal Working; also Machinery, Wood Working.)
Beaman & Smith Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio.
H. W. Cotton, Inc., New York.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Hisey-Wolf Machine Co., Cincinnati, Ohio.
Kempsmith Mfg. Co., Milwaukee, Wis.
R. K. Le Blond Machine Tool Co., Cincinnati, Ohio.
Lodge & Shipley Machine Tool Co., Cincinnati, Ohio.
Murchey Machine and Tool Co., Detroit, Mich.
Nestor Mfg. Co., New York.
New Britain Machine Co., New Britain, Conn.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Co., New York.
Oakley Machine Tool Co., Oakley, Cincinnati, Ohio.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., New York.
John Royle & Sons, Paterson, N. J.
William Sellers & Co., Inc., Philadelphia, Pa.
Stow Mfg. Co., Binghamton, N. Y.
Taylor & Fenn Co., Hartford, Conn.
Turner Machine Co., Danbury, Conn.
Warner & Swasey Co., Cleveland, Ohio.
Wickes Bros., Saginaw, Mich.
Willard Machine and Tool Co., Covington, Ky.

Tools, Machinists'.

Billings & Spencer Co., Hartford, Conn.
Clark Equipment Co., Buchanan, Mich.
Cleveland Twist Drill Co., Cleveland, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Eagle Mfg. Co., Cincinnati, Ohio.
John H. Graham & Co., New York.
Russell Jennings Mfg. Co., Chester, Conn.
David Maydole Hammer Co., Norwich, N. Y.
Millers Falls Co., Millers Falls, Mass.

Tools, Machinists'—Cont.

Morse Twist Drill and Machine Co., New Bedford, Mass.
Nestor Mfg. Co., New York.
New Britain Machine Co., New Britain, Conn.
Nicholson File Co., Providence, R. I.
North Bros. Mfg. Co., Philadelphia, Pa.
Charles Parker Co., Meriden, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Pratt & Whitney Co., New York.
L. A. Sayre Co., Newark, N. J.
Standard Tool Co., Cleveland, Ohio.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.
Vlchek Tool Co., Cleveland, Ohio.
West Haven Mfg. Co., New Haven, Conn.

Tools, Miners'.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., Pittsburgh, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Jeffrey Mfg. Co., Columbus, Ohio.
Klein-Logan Co., Pittsburgh, Pa.
David Maydole Hammer Co., Norwich, N. Y.
Pittsburgh Shovel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Tools, Orchard and Vineyard.

Challenge Cutlery Co., Bridgeport, Conn.
Kelley Axe Mfg. Co., Charleston, W. Va.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.

Tools, Pipe Fitters'.

Armstrong Mfg. Co., Bridgeport, Conn.
John H. Graham & Co., New York.
Hart Mfg. Co., Cleveland, Ohio.
Hays Mfg. Co., Erie, Pa.
David Maydole Hammer Co., Norwich, N. Y.
Merrell Mfg. Co., Toledo, Ohio.
Charles Parker Co., Meriden, Conn.
Reed Mfg. Co., Erie, Pa.
L. A. Sayre Co., Newark, N. J.
A. P. Smith Mfg. Co., East Orange, N. J.
Trimont Mfg. Co., Roxbury, Mass.

Tools, Pneumatic.

Cleveland Pneumatic Tool Co., Cleveland, Ohio.
Thos. H. Dallett Co., Philadelphia, Pa.
Denver Rock Drill Mfg. Co., Denver, Colo.
Jeffrey Mfg. Co., Columbus, Ohio.

Tools, Precision.

Russell Jennings Mfg. Co., Chester, Conn.
Stanley Rule and Level Co., New Britain, Conn.
L. S. Starrett Co., Athol, Mass.

Tools, Quarrying.

Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.

Tools, Railway Track.

Buda Co., Chicago, Ill.
Evansville Tool Works, Evansville, Ind.
Fairbanks, Morse & Co., Chicago, Ill.
Gregg Co., Ltd., Hackensack, N. J.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Klein-Logan Co., Pittsburgh, Pa.
Verona Tool Works, Pittsburgh, Pa.

Tools, Saw.

E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Hunter Saw and Machine Co., Pittsburgh, Pa.
Wm. B. Mershon & Co., Saginaw, Mich.
Vitrified Wheel Co., Westfield, Mass.

Tools, Shoemakers'.

David Maydole Hammer Co., Norwich, N. Y.

Tools, Stonecutters'.

Thomas H. Dallett Co., Philadelphia, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Kraeuter & Co., Inc., Newark, N. J.
David Maydole Hammer Co., Norwich, N. Y.
Willard F. Meyers Machine Co., Inc., Long Island City, N. Y.
Vlchek Tool Co., Cleveland, Ohio.

Tools, Tinsmiths'.

Acme Shear Co., Bridgeport, Conn.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Clark Equipment Co., Buchanan, Mich.
Clayton Bros., Inc., New York.
David Maydole Hammer Co., Norwich, N. Y.
Niagara Machine and Tool Works, Buffalo, N. Y.
L. A. Sayre Co., Newark, N. J.
J. Wiss & Sons Co., Newark, N. J.

Toothpicks.

John M. Hale-Boardman, Inc., New York.

Tops, Carriage and Automobile.

Crandal, Stone & Co., Binghamton, N. Y.
Troy Carriage Sunshade Co., Troy, Ohio.

Torches, Alcohol.

Clayton & Lambert Mfg. Co., Detroit, Mich.

Torches, Gasoline.

American Stove Co., St. Louis, Mo.
Best Light Co., Canton, Ohio.
Clayton & Lambert Mfg. Co., Detroit, Mich.

Torches, Oxy-Acetylene.

Davis-Bournonville Co., New York.

Toweling, Cotton.

(See Cotton Huck and Crash.)

Towels, Paper.

A. P. W. Paper Co., Albany, N. Y.
Continental Paper Bag Co., New York.
John Hoberg Co., Green Bay, Wis.
Hollingsworth & Vose Co., Boston, Mass.
Northern Paper Mills, Green Bay, Wis.
Scott Paper Co., Philadelphia, Pa.

Towels, Turkish.

D. Jamieson's Sons, Philadelphia, Pa.
W. H. & A. E. Margerison & Co., Philadelphia, Pa.
Muscogee Mfg. Co., Columbus, Ga.
Star and Crescent Co., Philadelphia, Pa.
Ward-Meehan Co., Philadelphia, Pa.

Towers, Tank and Windmill.

Chicago Bridge and Iron Works, Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendalville, Ind.
Franklin Steel Works, Franklin, Pa.
S. Freeman & Sons Mfg. Co., Racine, Wis.

Towers, Transmission and Wireless.

Blaw Steel Construction Co., Pittsburgh, Pa.
Chicago Railway Equipment Co., Chicago, Ill.
Franklin Steel Works, Franklin, Pa.
Milliken Brothers, Inc., Milliken, Staten Island, N. Y.

Towers, Water.

Fairbanks, Morse & Co., Chicago, Ill.
Petroleum Iron Works Co. of Ohio, Sharon, Pa.
Variety Iron and Steel Works Co., Cleveland, Ohio.

Towing Machines.

(See Machines, Towing.)

Toys, Electric.

A. C. Gilbert Co., New Haven, Conn.
Ives Mfg. Corp., Bridgeport, Conn.

Toys, Mechanical.

A. C. Gilbert Co., New Haven, Conn.
Wolverine Supply and Mfg. Co., Pittsburgh, Pa.

Toys, Metal.

American Fork and Hoe Co., Cleveland, O.
Dent Hardware Co., Fullerton, Pa.
Edwards Mfg. Co., Cincinnati, Ohio.
Gendron Wheel Co., Toledo, Ohio.
A. C. Gilbert Co., New Haven, Conn.
Ives Mfg. Corp., Bridgeport, Conn.
Kirk-Latty Mfg. Co., Cleveland, Ohio.
A. Schoenhut Co., Philadelphia, Pa.
Wolverine Supply and Mfg. Co., Pittsburgh, Pa.

Toys, Rubber.

Fulton Specialty Co., Elizabeth, N. J.
B. F. Goodrich Co., Akron, Ohio.
Miller Rubber Co., Akron, Ohio.
New York Rubber Co., Inc., New York.
Rosenthal Co., New York.

Toys, Wooden.

Beaver Board Cos., Buffalo, N. Y.
Gendron Wheel Co., Toledo, Ohio.
Fulton Specialty Co., Elizabeth, N. J.
A. C. Gilbert Co., New Haven, Conn.
A. Schoenhut Co., Philadelphia, Pa.

Tracing Cloth and Paper.

National Tracing Cloth Co., Saylesville, R. I.

Track, Door Hanger.

Allith-Prouty Co., Danville, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.

Track, Portable.

Gregg Co., Ltd., Hackensack, N. J.
Sweets' Steel Co., Williamsport, Pa.

Tractors, Distillate.

Samson Sieve-Grip Tractor Co., Stockton, Cal.

Tractors, Farm.

Rock Island Plow Co., Rock Island, Ill.

Tractors, Gasoline.

Advance-Rumely Thresher Co., La Porte, Ind.
J. I. Case Threshing Machine Co., Racine, Wis.
Electric Wheel Co., Quincy, Ill.
Emerson-Brantingham Co., Rockford, Ill.
Huber Mfg. Co., Marion, Ohio.
International Harvester Corp., Chicago, Ill.
Minneapolis Steel and Machinery Co., Minneapolis, Minn.
Moline Plow Co., Moline, Ill.
Samson Sieve-Grip Tractor Co., Stockton, Cal.
Velie Motors Corp., Moline, Ill.

Tractors, Kerosene.

Aultman & Taylor Machinery Co., Mansfield, Ohio.
Electric Wheel Co., Quincy, Ill.
Samson Sieve-Grip Tractor Co., Stockton, Cal.

Tractors, Storage Battery.

Automatic Transportation Co., Buffalo, N. Y.

Trailers, Automobile.

Emerson-Brantingham Co., Rockford, Ill.
Parry Mfg. Co., Indianapolis, Ind.
Sechler & Co., Cincinnati, Ohio.
Troy Wagon Works Co., Troy, Ohio.

Trammel Points.

L. S. Starrett Co., Athol, Mass.

Tramway Supplies.

(See Street Railway Supplies.)

Tramways, Overhead.

Broderick & Bascom Rope Co., St. Louis, Mo.
Brown Hoisting Machinery Co., Cleveland, Ohio.
Clyde Iron Works, Duluth, Minn.
Edwin Harrington, Son & Co., Philadelphia, Pa.
Link-Belt Co., Chicago, Ill.

Transformers, Electrical.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Duncan Electric Mfg. Co., La Fayette, Ind.
General Electric Co., Schenectady, N. Y.
Wagner Electric Mfg. Co., St. Louis, Mo.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Traps, Animal.

Independent Bridge Co., Pittsburgh, Pa.
Lovell Mfg. Co., Erie, Pa.
Sargent & Co., New York.

Traps, Steam.

(See also Drying Apparatus, Steam.)

American Blower Co., Detroit, Mich.
American District Steam Co., North Tonawanda, N. Y.
American Steam Gauge and Valve Co., Boston, Mass.
Jenkins Bros., New York.
Ohio Blower Co., Cleveland, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.
D. T. Williams Valve Co., Cincinnati, O.

Trays, Serving.

Reuhl Moulding Mfg. Co., Cincinnati, O.
Rochester Stamping Co., Rochester, N. Y.

Tread-Powers.

(See Horse-Powers.)

Tread, Safety.

B. F. Goodrich Co., Akron, Ohio.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.

Tricycles.

(See Bicycles.)

Trimmings, Car Metal.

(See Car Trimmings, Brass.)

Trimmings, Carriage and Casket.

C. Cowles & Co., New Haven, Conn.
Crandal, Stone & Co., Binghamton, Ohio.
Crane & Breed Mfg. Co., Cincinnati, Ohio.
Elgin Silver Plate Co., Elgin, Ill.
Harris, Emery Co., New York.
National Casket Co., Long Island City, N. Y.
Sargent & Co., New York.
Saugatuck Mfg. Co., Saugatuck, Conn.
Sterling Casket Hardware Co., Brooklyn, N. Y.

Trimmings, Dress.

A. B. Fiedler & Sons, Chicago, Ill.
Alb. & E. Henkels, Inc., Bridgeport, Conn.
Hope Webbing Co., Providence, R. I.
August Moll Mfg. Co., New York.
Narrow Fabric Co., Reading, Pa.
Nonotuck Silk Co., Florence, Mass.
A. H. Rice Co., Pittsfield, Mass.

Trimmings, Furniture, Brass.

Brass Goods Mfg. Co., Brooklyn, N. Y.

Trimmings, Garter and Suspender.

Robert N. Bassett Co., New York.
Oakville Co., Waterbury, Conn.
G. E. Prentice Mfg. Co., New Britain, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.
Waterbury Buckle Co., Waterbury, Conn.

Trimmings, Harness.

Arlington Co., New York.
Rubber and Celluloid Harness Trimming Co., Newark, N. J.

Trimmings, Refrigerator.

Brass Goods Mfg. Co., Brooklyn, N. Y.

Trolley Wheels and Harps.

Brady Brass Co., Jersey City, N. J.
More-Jones Brass and Metal Co., St. Louis, Mo.
R. D. Nuttall Co., Pittsburgh, Pa.
Ohio Brass Co., Mansfield, Ohio.

Trolleys and Trolley Tracks, Overhead.

Chisholm-Moore Mfg. Co., Cleveland, Ohio.
Richards-Wilcox Mfg. Co., Aurora, Ill.

Trouserings, Worsted.

Louis Kraemer & Co., Reading, Pa.

Trousers.

(See Pants, Men's and Boys'.)

Trowels, Garden.

F. E. Kohler Co., Canton, Ohio.
New York Stamping Co., Brooklyn, N. Y.
L. A. Sayre Co., Newark, N. J.
Stuber & Kuck Co., Peoria, Ill.

Trowels, Masons'.

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Henry Disston & Sons, Inc., Philadelphia, Pa.
F. E. Kohler Co., Canton, Ohio.
L. A. Sayre Co., Newark, N. J.

Truck Frames.

Bettendorf Co., Bettendorf, Iowa.
J. G. Brill Co., Philadelphia, Pa.
Buckeye Steel Castings Co., Columbus, O.
Electric Wheel Co., Quincy, Ill.

Trucks, Coal, Boiler Room.

Littleford Bros., Cincinnati, Ohio.

Trucks, Distillate Motor.

Moreland Motor Truck Co., Los Angeles, Cal.

Trucks, Elevating.

National Scale Co., Chicopee Falls, Mass.

Trucks, Farm.

(See Wagons, Farm.)

Trucks, Foundry.

Fairbanks, Morse & Co., Chicago, Ill.
Pennsylvania Engineering Works, New Castle, Pa.
Union Iron Works, Spokane, Wash.

Trucks, Freight Car.

American Car and Foundry Co., New York.
Bettendorf Co., Bettendorf, Iowa.
J. G. Brill Co., Philadelphia, Pa.
Commonwealth Steel Co., St. Louis, Mo.

Trucks, Freighting.

(See Wagons, Contractors' and Freight.)

Trucks, Logging.

Lane Mfg. Co., Montpelier, Vt.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Seattle Car and Foundry Co., Seattle, Wash.
Studebaker Corp. of America, South Bend, Ind.
Troy Wagon Works Co., Troy, Ohio.

Trucks, Passenger Railroad Car.
American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.
Commonwealth Steel Co., St. Louis, Mo.

Trucks, Storage Battery.
Automatic Transportation Co., Buffalo, N. Y.
Buda Co., Chicago, Ill.
Lansing Co., Lansing, Mich.

Trucks, Street Car.
American Car and Foundry Co., New York.
J. G. Brill Co., Philadelphia, Pa.

Trucks, Wagon.
Electric Wheel Co., Quincy, Ill.
Milburn Wagon Co., Toledo, Ohio.

Trucks, Warehouse and Factory.
American Vulcanized Fibre Co., Wilmington, Del.
Automatic Transportation Co., Buffalo, N. Y.
Edwards Mfg. Co., Cincinnati, Ohio.
Fairbanks Co., New York.
Fairbanks, Morse & Co., Chicago, Ill.
A. B. Farquhar & Co., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
W. T. Lane & Bro., Poughkeepsie, N. Y.
Lansing Co., Lansing, Mich.

Trunk Covering.
American Can Co., New York.

Trunks.
William Bal Co., Newark, N. J.
Crouch & Fitzgerald, New York.
C. A. Malm & Co., San Francisco, Cal.

Trunks, Sample.
William Bal Co., Newark, N. J.
C. A. Malm & Co., San Francisco, Cal.

Tubes, Boiler.
Allegheny Steel Co., Pittsburgh, Pa.
Monongahela Tube Co., Pittsburgh, Pa.
Spang, Chalfant & Co., Inc., Pittsburgh, Pa.

Tubes, Collapsible, Metal.
Wheeling Stamping Co., Wheeling, W. Va.

Tubes, Inner.
Ajax Rubber Co., Inc., New York.
Brunswick-Balke-Collender Co., New York.
Dayton Rubber Mfg. Co., Dayton, Ohio.
Double Fabric Tire Co., Auburn, Ind.
Empire Rubber and Tire Co., Trenton, N. J.
Endurance Tire and Rubber Co., New Brunswick, N. J.
Essex Rubber Co., Inc., Trenton, N. J.
Firestone Tire and Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
G. & J. Tire Co., Indianapolis, Ind.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hartford Rubber Works Co., Hartford, Conn.
Kokomo Rubber Co., Kokomo, Ind.

Tubes, Inner—Cont.
Lee Tire and Rubber Co., Conshohocken, Pa.
McGraw Tire and Rubber Co., East Palestine, Ohio.
Marathon Tire and Rubber Co., Cuyahoga Falls, Ohio.
Mattson Rubber Co., Lodi, N. J.
Morgan & Wright, Inc., Detroit, Mich.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Norwalk Tire and Rubber Co., Norwalk, Conn.
Thermoid Rubber Co., Trenton, N. J.

Tubes, Mailing.
Lowell Paper Tube Corp., Lowell, Mass.
W. C. Ritchie & Co., Chicago, Ill.
Southern Mfg. Co., Richmond, Va.
Thompson & Norris Co., Brooklyn, N. Y.
Union Paper Co., New York.

Tubes, Speaking.
Ferdinand Diekman Co., Cincinnati, O.
Lamson Co., Boston, Mass.
W. R. Ostrander & Co., New York.

Tubes, Textile.
Lowell Paper Tube Corp., Lowell, Mass.
Union Paper Co., New York.

Tubes, Torpedo.
Lake Torpedo Boat Co., Bridgeport, Conn.

Tubing, Bicycle.
Standard Welding Co., Cleveland, Ohio.

Tubing, Brass.
American Brass Co., Waterbury, Conn.
Baltimore Tube Co., Inc., Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Co., New York.
Phenix Tube Co., Brooklyn, N. Y.
Rome Brass and Copper Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.
A. H. Wells & Co., Inc., Waterbury, Conn.

Tubing, Bronze.
American Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Phenix Tube Co., Brooklyn, N. Y.

Tubing, Copper.
American Brass Co., Waterbury, Conn.
Baltimore Tube Co., Inc., Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Rome Brass and Copper Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.
A. H. Wells & Co., Inc., Waterbury, Conn.

Tubing, Flexible.
American Conduit Mfg Co., Pittsburgh, Pa.
Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa.
Tubular Woven Fabric Co., Pawtucket, R. I.

Tubing, Glass.

Corning Glass Works, Corning, N. Y.
Lippincott Glass Co., Cincinnati, Ohio.
Whitall-Tatum Co., New York.

Tubing, Hard Rubber.

American Hard Rubber Co., New York.
Davol Rubber Co., Providence, R. I.

Tubing, Insulation.

Lee Tire and Rubber Co., Conshohocken,

Tubing, Iron.

La Belle Iron Works, Steubenville, Ohio.
Monongahela Tube Co., Pittsburgh, Pa.

Tubing, Rubber.

Acme Rubber Mfg. Co., Trenton, N. J.
William M. Crane Co., New York.
Davol Rubber Co., Providence, R. I.
Endurance Tire and Rubber Co., New York.
B. F. Goodrich Co., Akron, Ohio.
Goodyear Tire and Rubber Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
New Jersey Car Spring and Rubber Co., Jersey City, N. J.
Parker, Stearns & Co., Brooklyn, N. Y.
Quaker City Rubber Co., Philadelphia, Pa.
Whitall-Tatum Co., New York.

Tubing, Seamless Drawn Steel.

Detroit Seamless Steel Tubes Co., Detroit, Mich.
Elyria Iron and Steel Co., Elyria, Ohio.
Phenix Tube Co., Brooklyn, N. Y.
Spang, Chalfant & Co., Inc., Pittsburgh, Pa.
Standard Welding Co., Cleveland, Ohio

Tubing, Steel.

Cleveland Welding and Mfg. Co., Cleveland, Ohio.
Newark Tube and Metal Works, Newark, N. J.
Phenix Tube Co., Brooklyn, N. Y.
Standard Steel Tube Co., Toledo, Ohio.
Standard Welding Co., Cleveland, Ohio.
Timken Roller Bearing Co., Canton, Ohio.

Tubing, Vulcanized Fibre.

American Vulcanized Fibre Co., Wilmington, Del.

Tubs, Bath, Enameled.

(See Bath Tubs, Enameled Iron and Steel.)

Tubs, Bath, Porcelain.

(See Bath Tubs, Solid Porcelain.)

Tubs, Bath, Rubber.

(See Bath Tubs, Solid Porcelain.)

Tubs, Laundry, Porcelain.

Iron City Sanitary Mfg. Co., Pittsburgh, Pa.
Kohler Co., Kohler, Wis.
J. L. Mott Iron Works, New York.

Tubs, Steel.

(See Pans, Shop and Factory.)

Tubs, Wooden.

California Barrel Co., San Francisco, Cal.
E. Murdoch & Co., Winchendon, Mass.
Richmond Cedar Works, Richmond, Va.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Tugs.

Gas Engine and Power Co. and Charles L. Seabury & Co., Consolidated, New York.
Manitowoc Ship Building Co., Manitowoc, Wis.
New York Ship Building Corp., Camden, N. J.

Tumblers, Glass.

C. Dorflinger & Sons, New York.
Federal Glass Co., Columbus, Ohio.
Fostoria Glass Co., Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
Hazel-Atlas Glass Co., Wheeling, W. Va.
A. H. Heisey & Co., Inc., Newark, Ohio.
Imperial Glass Co., Bellaire, Ohio.
Seneca Glass Co., Morgantown, W. Va.
United States Glass Co., Pittsburgh, Pa.

Tumbling Barrels.

Baird Machine Co., Bridgeport, Conn.
Globe Machine and Stamping Co., Cleveland, Ohio.
Kimball Bros. & Sprague, Brockton, Mass.

Tungsten Metal.

Primos Chemical Co., Primos, Pa.

Tunnel and Culvert Linings.

Davies & Thomas Co., Catasauqua, Pa.

Turbines, Steam.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bath Iron Works, Ltd., Bath, Me.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
B. F. Sturtevant Co., Boston, Mass.
Terry Steam Turbine Co., Hartford, Conn.
John Waldron Co., New Brunswick, N. J.
Westinghouse Machine Co., East Pittsburgh, Pa.

Turbines, Water.

William Cramp & Sons Ship and Engine Building Co., Philadelphia, Pa.
I. P. Morris Co., Philadelphia, Pa.
Pelton Water Wheel Co., San Francisco, Cal.
Platt Iron Works Co., Dayton, Ohio.
S. Morgan Smith Co., York, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
Wolf Co., Chambersburg, Pa.

Turbo-Generators.

Pyle-National Co., Chicago, Ill.
United States Headlight Co., Buffalo, N. Y.

Turnbuckles.

American Iron and Steel Mfg. Co., Lebanon, Pa.
Columbus Bolt Works, Columbus, Ohio.
Thomas Laughlin Co., Portland, Me.
Standard Screw Co., Chicago, Ill.

Turnings, Wood.

E. Bailey & Sons, Patchogue, N. Y.
Baker, McMillen Co., Akron, Ohio.
A. C. Cheney Piano Action Co., Castleton-on-Hudson, N. Y.
M. J. Gibbud Co., Inc., New Haven, Conn.

Turnings, Wood—Cont.

St. John Wood Working Co., Stamford, Conn.
John Sommer Faucet Co., Newark, N. J.
United States Bung Mfg. Co., Brooklyn, N. Y.
Weis & Lesh Mfg. Co., Muncie, Ind.
John F. Wilcox, Minneapolis, Minn.

Turntables, Automobile.

Turner Machine Co., Danbury, Conn.

Turntables, Industrial Railway.

Link-Belt Co., Chicago, Ill.

Turntables, Railroad.

Canton Bridge Co., Canton, Ohio.
Gregg Co., Ltd., Hackensack, N. J.
McMyler Interstate Co., Bedford, Ohio.
Virginia Bridge and Iron Co., Roanoke, Va.

Turpentine.

Gulf Lumber Co., East St. Louis, Ill.
Pensacola Tar and Turpentine Co., Gull Point, Fla.
Union Oil Co. of California, Los Angeles, Cal.

Turpentine Substitutes.

Patton Paint Co., Milwaukee, Wis.
Union Oil Co. of California, Los Angeles, Cal.

Twine, Binder.

Columbian Rope Co., Auburn, N. Y.
Hooven & Allison Co., Xenia, Ohio.
R. A. Kelly Co., Xenia, Ohio.
Ludlow Mfg. Associates, Boston, Mass.
Portland Cordage Co., Portland, Ore.
Waterbury Co., New York.
Whitlock Cordage Co., New York.

Twine, Cotton.

Bemis Brothers Bag Co., Boston, Mass.
Fulton Bag and Cotton Mills, Atlanta, Ga.
Wm. E. Hooper & Sons Co., Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Milwaukee Bag Co., Milwaukee, Wis.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.

Twine, Hemp.

Columbian Rope Co., Auburn, N. Y.
Eagle Cordage Mills, Inc., Covington, Ky.
Hooven & Allison Co., Xenio, Ohio.
Ludlow Mfg. Associates, Boston, Mass.

Twine, Jute.

(See Cordage, Jute.)

Twine, Linen.

Columbian Rope Co., Auburn, N. Y.
Smith & Dove Mfg. Co., Andover, Mass.

Twine, Sewing.

Louisville Cotton Mills Co., Louisville, Ky.

Type, Metal.

American Type Founders Co., Jersey City, N. J.
Barnhart Bros. & Spindler, Chicago, Ill.

Type, Rubber.

Addressograph Co., Chicago, Ill.
Fulton Specialty Co., Elizabeth, N. J.

Typewriter Stands.

Horrocks Desk Co., Herkimer, N. Y.
Toledo Metal Furniture Co., Toledo, O.

Typewriter Supplies.

American Writing Machine Co., Inc., New York.
Carter's Ink Co., Boston, Mass.
Eaton, Crane & Pike Co., Pittsfield, Mass.
B. F. Goodrich Co., Akron, Ohio.
Kee Lox Mfg. Co., Rochester, N. Y.
Seng Co., Chicago, Ill.
S. S. Stafford, Inc., New York.
Troy Carriage Sunshade Co., Troy, Ohio.
F. S. Webster Co., Boston, Mass.

Typewriters.

Blickensderfer Co., Stamford, Conn.
Corona Typewriter Co., Inc., Groton, N. Y.
Oliver Typewriter Co., Chicago, Ill.
Royal Typewriter Co., Inc., New York.
Underwood Typewriter Co., New York.

Typewriters, Folding.

Corona Typewriter Co., Inc., Groton, N. Y.

Typewriters, Portable.

Corona Typewriter Co., Inc., Groton, N. Y.

Typewriters, Rebuilt.

American Writing Machine Co., Inc., New York.

Typewriters, Shorthand.

Stenotype Co., Indianapolis, Ind.

Umbrella Fabrics.

Müller Gloria Mills, Norwalk, Conn.

Umbrella Holders.

Frank F. Smith Metal Window Hardware Co., Newark, N. J.

Umbrellas.

Follmer, Clogg & Co., Lancaster, Pa.

Umbrellas, Advertising.

Troy Carriage Sunshade Co., Troy, Ohio.

Undertakers' Supplies.

Buckstaff Co., Oshkosh, Wis.
Crane & Breed Mfg. Co., Cincinnati, Ohio.
National Casket Co., Long Island City, N. Y.

Underwear, Athletic.

Cooper Underwear Co., Kenosha, Wis.
Henderson & Ervin, New York.
E. H. Horwood & Co., New York.
Oppenheim, Oberndorf & Co., Inc., Baltimore, Md.

Underwear, Children's Muslin.

Richmond Underwear Co., New York.
Warner Brothers Co., Bridgeport, Conn.

Underwear, Cloth, Men's and Boys'.

Superior Underwear Co., Piqua, Ohio.
Wise Bros., Inc., Baltimore, Md.

Underwear, Cotton Knit.

Amazon Knitting Co., Muskegon, Mich.
Atlas Underwear Co., Piqua, Ohio.
Avalon Knitwear Co., Utica, N. Y.
Blood Knitting Co., Amsterdam, N. Y.
Carson Pirie Scott & Co., Chicago, Ill.
William Carter Co., Needham Heights, Mass.
Chalmers Knitting Co., Amsterdam, N. Y.
Cooper Underwear Co., Kenosha, Wis.
Ford Mfg. Co., Waterford, N. Y.
Gardiner & Warring Co., Amsterdam, N. Y.
Gilbert Knitting Co., Little Falls, N. Y.
Globe Knitting Works, Grand Rapids, Mich.
P. H. Hanes Knitting Co., Winston-Salem, N. C.
L. E. Harrower, Amsterdam, N. Y.
Kavanaugh Knitting Co., Inc., Waterford, N. Y.
Julius Kayser & Co., New York.
Lawrence Mfg. Co., Boston, Mass.
Lebanon Mill Co., Pawtucket, R. I.
W. S. Mills Co., Bridgeport, Conn.
Minneapolis Knitting Works, Minneapolis, Minn.
Mohawk Valley Cap Factory, Utica, N. Y.
William Moore Knitting Co., Cohoes, N. Y.
Northwestern Knitting Co., Minneapolis, Minn.
Oneita Knitting Mills, Utica, N. Y.
Piqua Hosiery Co., Piqua, Ohio.
Rice-Stix Dry Goods Co., St. Louis, Mo.
Stephenson Underwear Mills, South Bend, Ind.
John K. Stewart & Sons, Amsterdam, N. Y.
Superior Underwear Co., Piqua, Ohio.
Tremont and Suffolk Mills, Boston, Mass.
Van Brocklin & Stover Co., New York.

Underwear, Infants'.

William Carter Co., Needham Heights, Mass.
W. S. Mills Co., Bridgeport, Conn.
Minneapolis Knitting Works, Minneapolis, Minn.
Phoenix Knitting Works, Milwaukee, Wis.

Underwear, Silk Knit.

Boyd & Co., New York.
Carson Pirie Scott & Co., Chicago, Ill.
Cooper Underwear Co., Kenosha, Wis.
Hall Lace Co., Jersey City, N. J.
Julius Kayser & Co., New York.
Merrill Silk Co., Hornell, N. Y.
W. S. Mills Co., Bridgeport, Conn.
Minneapolis Knitting Works, Minneapolis, Minn.
Niagara Silk Mills, North Tonawanda, N. Y.
Piqua Hosiery Co., Piqua, Ohio.
Rice-Stix Dry Goods Co., St. Louis, Mo.

Underwear, Women's Muslin.

American Undergarment Co., Newark, N. J.
Arthur Behal Co., New York.
Larkin Co., Buffalo, N. Y.
M. Martin & Co., New York.
Wolf Co., New York.

Underwear, Women's Silk.

Arthur Behal Co., New York.
Engle & Kraus, New York.
M. Martin & Co., New York.

Underwear, Woolen Knit.

Atlas Underwear Co., Piqua, Ohio.
Avalon Knitwear Co., Utica, N. Y.
H. E. Bradford & Co., Bennington, Vt.
Carson Pirie Scott & Co., Chicago, Ill.
Cooper Underwear Co., Kenosha, Wis.
Ford Mfg. Co., Waterford, N. Y.
Globe Knitting Works, Grand Rapids, Mich.
Lackawanna Mills, Scranton, Pa.
W. S. Mills Co., Bridgeport, Conn.
Minneapolis Knitting Works, Minneapolis, Minn.
William Moore Knitting Co., Cohoes, N. Y.
New England Knitting Mills, Winsled, Conn.
Northwestern Knitting Co., Minneapolis, Minn.
Oneita Knitting Mills, Utica, N. Y.
Piqua Hosiery Co., Piqua, Ohio.
Radcliffe Bros., Shelton, Conn.
Root Mfg. Co., Cohoes, N. Y.
Stephenson Underwear Mills, South Bend, Ind.
Superior Underwear Co., Piqua, Ohio.
Swansdown Knitting Co., Hudson, N. Y.
Waterford Knitting Co., Waterford, N. Y.

Uniforms.

Heidelberg-Wolff & Co., New York.
Henderson-Ames Co., Kalamazoo, Mich.
C. Kenyon Co., Brooklyn, N. Y.
M. C. Lilley & Co., Columbus, Ohio.
John Patterson & Co., New York.
Cornelius Weiss, Brooklyn, N. Y.

Unloaders, Ballast.

(See Ballast Unloaders.)

Unloaders, Cane Car.

Gregg Co., Ltd., Hackensack, N. J.
Link-Belt Co., Chicago, Ill.

Upholsterers' Supplies.

American Ring Co., Waterbury, Conn.
Cook's Linoleum Co., Trenton, N. J.
Hodgman Rubber Co., Tuckahoe, N. Y.
Hope Webbing Co., Providence, R. I.
Mattatuck Mfg. Co., Waterbury, Conn.
George Stratford Oakum Co., Jersey City, N. J.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

Upholstery Fabrics.

Sidney Blumenthal & Co., Inc., New York.
L. C. Chase & Co., Boston, Mass.
Cheney Bros., South Manchester, Conn.
Robert Lewis Co., Bridesburg, Pa.
Moss Rose Mfg. Co., Philadelphia, Pa.
Nixon, Walker & Tracy, New York.
Reading Rubber Mfg. Co., Reading, Mass.
Roy Woolen Co., Watervliet, N. Y.
Sauquoit Silk Mfg. Co., Nicetown, Philadelphia, Pa.
Standard Oil Cloth Co., New York.
Stead & Miller Co., Philadelphia, Pa.
Taunton Oil Cloth Co., Taunton, Mass.

Vacuum Cleaning Appliances.

Berger Mfg. Co., Canton, Ohio.
Frantz Premier Co., Cleveland, Ohio.
P. A. Geier Co., Cleveland, Ohio.
Regina Co., Rahway, N. J.
Stuber & Kuck Co., Peoria, Ill.
B. F. Sturtevant Co., Boston, Mass.
M. S. Wright Co., Worcester, Mass.

Valves, Air.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co., Chicago, Ill.
Foster Engineering Co., Newark, N. J.
General Fire Extinguisher Co., Providence, R. I.
Gray-Hawley Mfg. Co., Detroit, Mich.
Jenkins Bros., New York.
Ludlow Valve Mfg. Co., Troy, N. Y.
Lunkenheimer Co., Cincinnati, Ohio.
Mesta Machine Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
A. Schrader's Son, Inc., Brooklyn, N. Y.
Schütte & Koerting Co., Philadelphia, Pa.
Roe Stephens Mfg. Co., Detroit, Mich.
George D. Whitcomb Co., Rochelle, Ill.
William E. Williams, New York.
Wittemann Co., Buffalo, N. Y.

Valves, Gate and Lock.

American District Steam Co., North Tonawanda, N. Y.
Bourbon Copper and Brass Works Co., Cincinnati, Ohio.
Capitol Brass Works, Detroit, Mich.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Crane Co., Chicago, Ill.
Eddy Valve Co., Waterford, N. Y.
Foster Engineering Co., Newark, N. J.
Jenkins Bros., New York.
Lunkenheimer Co., Cincinnati, Ohio.
Pelton Water Wheel Co., San Francisco, Cal.
Pittsburgh Valve, Foundry and Construction Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
Pratt & Cady, Co., Inc., Hartford, Conn.
Schütte & Koerting Co., Philadelphia, Pa.
S. Morgan Smith Co., York, Pa.
Roe Stephens Mfg. Co., Detroit, Mich.
Watson-Stillman Co., New York.
D. T. Williams Valve Co., Cincinnati, O.

Valves, Needle Point.

Lunkenheimer Co., Cincinnati, Ohio.

Valves, Reversing.

Morgan Construction Co., Worcester, Mass.
Wellman-Seaver-Morgan Co., Cleveland, O.

Valves, Rubber.

(See Rubber Goods, Mechanical.)

Valves, Safety.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Automatic Sprinkler Co. of America, New York.
Crane Co., Chicago, Ill.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Elliott Co., Pittsburgh, Pa.
Foster Engineering Co., Newark, N. J.

Valves, Safety—Cont.

General Fire Extinguisher Co., Providence, R. I.
Jenkins Bros., New York.
Lunkenheimer Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, Inc., New York.
William Powell Co., Cincinnati, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.
Steel Products Co., Cleveland, Ohio.
Roe Stephens Mfg. Co., Detroit, Mich.
D. T. Williams Valve Co., Cincinnati, O.

Valves, Special.

George D. Whitcomb Co., Rochelle, Ill.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.

Valves, Steam, Gas and Water.

American Car and Foundry Co., New York.
American District Steam Co., North Tonawanda, N. Y.
American Steam Gauge and Valve Mfg. Co., Boston, Mass.
Buckeye Iron and Brass Works, Dayton, O.
Capitol Brass Works, Detroit, Mich.
Chaplin-Fulton Mfg. Co., Pittsburgh, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Connersville Blower Co., Connersville, Ind.
A. D. Cook, Lawrenceburg, Ind.
Crane Co., Chicago, Ill.
Detroit Lubricator Co., Detroit, Mich.
Eddy Valve Co., Waterford, N. Y.
Elliott Co., Pittsburgh, Pa.
Eynon-Evans Mfg. Co., Philadelphia, Pa.
Fairbanks Co., New York.
Foster Engineering Co., Newark, N. J.
General Fire Extinguisher Co., Providence, R. I.
Glamorgan Pipe and Foundry Co., Lynchburg, Va.
Harrison Safety Boiler Works, Philadelphia, Pa.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., Milwaukee, Wis.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., New York.
Ludlow Valve Mfg. Co., Troy, N. Y.
Lunkenheimer Co., Cincinnati, Ohio.
Manning, Maxwell & Moore, Inc., New York.
Nathan Mfg. Co., New York.
National Valve and Mfg. Co., Pittsburgh, Pa.
Pelton Water Wheel Co., San Francisco, Cal.
Penberthy Injector Co., Detroit, Mich.
Pittsburgh Valve, Foundry and Construction Co., Pittsburgh, Pa.
William Powell Co., Cincinnati, Ohio.
Pratt & Cady Co., Inc., Hartford, Conn.
Schütte & Koerting Co., Philadelphia, Pa.
A. P. Smith Mfg. Co., East Orange, N. J.
Stacey Mfg. Co., Cincinnati, Ohio.
Roe Stephens Mfg. Co., Detroit, Mich.
Watson-Stillman Co., New York.
D. T. Williams Valve Co., Cincinnati, O.
William E. Williams, New York.
Wittemann Co., Buffalo, N. Y.
Worthington Pump and Machinery Corp., New York.
Henry Vogt Machine Co., Louisville, Ky.

Vanillin.

Merck & Co., New York.

Varnishes.

Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Ault & Wiborg Co., Cincinnati, Ohio.
Beaver Board Cos., Buffalo, N. Y.
Beckwith-Chandler Co., Newark, N. J.
Berry Bros., Ltd., Detroit, Mich.
Blackburn Varnish Co., Cincinnati, Ohio.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Emil Calman & Co., New York.
Certain-teed Products Corp., St. Louis, Mo.
Chicago Varnish Co., Chicago, Ill.
F. W. Devoe & C. T. Raynolds Co., New York.
Felton Sibley & Co, Inc., Philadelphia, Pa.
Samuel H. French & Co., Philadelphia, Pa.
W. P. Fuller & Co., San Francisco, Cal.
General Bakelite Co., New York.
Gerstendorfer Bros., New York.
Heath & Milligan Mfg. Co., Chicago, Ill.
Hildreth Varnish Co., New York.
Larkin Co., Buffalo, N. Y.
John Lucas & Co., Inc., Philadelphia, Pa.
McDougall Paint Co., Inc., Buffalo, N. Y.
Marietta Paint and Color Co., Marietta, O.
Moller & Schumann Co., Brooklyn, N. Y.
Benjamin Moore & Co., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
National Railway Appliance Co., New York.
National Roofing Co., Tonawanda, N. Y.
New Jersey Paint Works, Jersey City, N. J.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Peaslee-Gaulbert Co., Louisville, Ky.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Edward Smith & Co., Long Island City, N. Y.
Standard Paint Co., New York.
Standard Varnish Works, New York.
Toch Bros., New York.
United States Gutta Percha Paint Co., Providence, R. I.
United States Metal and Mfg. Co., New York.
United States Varnish Co., Cincinnati, O.
Valentine & Co., New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.
C. A. Willey Co., Long Island City, N. Y.
C. A. Woolsey Paint and Color Co., Jersey City, N. J.

Vaselin.

(See Petrolatum.)

Vases, Lawn.

Galloway Terra Cotta Co., Philadelphia, Pa.
J. L. Mott Iron Works, New York.
Southard Robertson Co., New York.
A. L. Swett Iron Works, Medina, N. Y.

Vaults, Burglar Proof.

Hall's Safe Co., Cincinnati, Ohio.
Herring-Hall-Marvin Safe Co., New York.
York Safe and Lock Co., York, Pa.

Vegetables, Canned.

California Fruit Canners' Association, San Francisco, Cal.
Curtice Bros. Co., Rochester, N. Y.
H. J. Heinz Co., Pittsburgh, Pa.
Libby, McNeill & Libby, Chicago, Ill.
E. Pritchard, New York.

Veilings.

Hall Lace Co., Jersey City, N. J.
Louis Hamburger & Co., New York.
E. & Z. Van Raalte, Inc., New York.

Velocipedes, Children's.

Children's Vehicle Corp., East Templeton, Mass.
Kirk-Latty Mfg. Co., Cleveland, Ohio.

Velocipedes, Railway.

Fairbanks, Morse & Co., Chicago, Ill.

Velours, Cotton.

Beacon Mfg. Co., Providence, R. I.
L. C. Chase & Co., Boston, Mass.
Hind & Harrison Plush Co., Clark Mills, N. Y.
Holyoke Plush Co., Boston, Mass.
Victoria Plush Mill, New York.

Velveteens.

Crompton Co., Providence, R. I.
Howlett & Hockmeyer Co., Inc., New York.
Lawrence & Co., Boston, Mass.
Merrimack Mfg. Co., Boston, Mass.

Velvets, Cotton.

Sidney Blumenthal & Co., Inc., New York.
Brookside Mills, Knoxville, Tenn.
Merrimack Mfg. Co., Boston, Mass.
S. Stroock & Co., New York.

Velvets, Silk.

American Velvet Co., New York.
Astoria Silk Works, Long Island City, N. Y.
Sidney Blumenthal & Co., Inc., New York.
Cheney Bros., South Manchester, Conn.
Rossie Velvet Co., New York.
R. & H. Simon Co., Union Hill, N. J.
S. Stroock & Co., New York.

Veneers.

Astoria Veneer Mills and Dock Co., Long Island City, N. Y.
F. Eggers Veneer Seating Co., Two Rivers, Wis.
Freiberg Lumber Co., Cincinnati, Ohio.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Palmer & Parker Co., Boston, Mass.
Wheeler-Osgood Co., Tacoma, Wash.
C. L. Willey, Chicago, Ill.

Ventilators.

Champion Blower and Forge Co., Lancaster, Pa.
Duluth Corrugating and Roofing Co., Duluth, Minn.
Edwards Mfg. Co., Cincinnati, Ohio.
David Lupton's Sons Co., Philadelphia, Pa.
Merchant & Evans Co., Philadelphia, Pa.
Meurer Bros. Co., Brooklyn, N. Y.
Ohio Blower Co., Cleveland, Ohio.
Owosso Mfg. Co., Owosso, Mich.
Schütte & Koerting Co., Philadelphia, Pa.
Sterling Blower Co., Hartford, Conn.
B. F. Sturtevant Co., Boston, Mass.
E. Van Noorden Co., Boston, Mass.

Vermin Exterminators.

Merck & Co., New York.
William Peterman, Inc., New York.

Vestibules, Car.
Gould Coupler Co., New York.

Vibrators.
(See Machines, Massage.)

Vinegar.
H. J. Heinz Co., Pittsburgh, Pa.

Vises, Bench.
Bagley & Sewall Co., Watertown, N. Y.
Cincinnati Bickford Tool Co., Cincinnati, O
Illinois Iron and Bolt Co., Carpentersville, Ill.
New Britain Machine Co., New Britain, Conn.
North Bros. Mfg. Co., Philadelphia, Pa.
Charles Parker Co., Meriden, Conn.
Prentiss Vise Co., New York.
Reed Mfg. Co., Erie, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sandusky Tool Co., Sandusky, Ohio.
Sargent & Co., New York.
Stanley Rule and Level Co., New Britain, Conn.

Vises, Blacksmiths' Solid Box.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Prentiss Vise Co., New York.

Vises, Drill Press.
Mather & Waechter, Cleveland, Ohio.
Prentiss Vise Co., New York.

Vises, Machine.
Mather & Waechter, Cleveland, Ohio.
Prentiss Vise Co., New York.

Vises, Pipe.
Dikeman Mfg. Co., Norwalk, Conn.
Charles Parker Co., Meriden, Conn.
Prentiss Vise Co., New York.
Reed Mfg. Co., Erie, Pa.

Vises, Saw.
Dikeman Mfg. Co., Norwalk, Conn.
Charles Parker Co., Meriden, Conn.
Prentiss Vise Co., New York.
Sargent & Co., New York.

"Vitamalt."
Bartholomay Brewery Co., Rochester, N. Y.

Volt Meters.
(See Electrical Measuring Instruments.)

Vulcanizers, Rubber.
Consolidated Dental Mfg. Co., New York.
D. M. Dillon Steam Boiler Works, Fitchburg, Mass.
Williams Foundry and Machine Co., Akron, Ohio.
Worcester Shock Absorber Co., Worcester, Mass.

Wagon Covers, Waterproof.
John Boyle & Co., Inc., New York.
Fulton Bag and Cotton Mills, Atlanta, Ga.

Wagons, Contractors' and Freight.
Milburn Wagon Co., Toledo, Ohio.
Studebaker Corp. of America, South Bend, Ind.
Western Wheeled Scraper Co., Aurora, Ill.

Wagons, Dump.
Austin Mfg. Co., Chicago, Ill.
Smith & Sons Mfg. Co., Kansas City, Mo.
Studebaker Corp. of America, South Bend, Ind.
Troy Wagon Works Co., Troy, Ohio.
Western Wheeled Scraper Co., Aurora, Ill.

Wagons, Express and Delivery.
Peter Barrett Mfg. Co., Brooklyn, N. Y.
Milburn Wagon Co., Toledo, Ohio.
Parry Mfg. Co., Indianapolis, Ind.
Racine-Sattley Co., Racine, Wis.
Studebaker Corp. of America, South Bend, Ind.

Wagons, Farm.
Electric Wheel Co., Quincy, Ill.
Emerson-Brantingham Co., Rockford, Ill.
Milburn Wagon Co., Toledo, Ohio.
Racine-Sattley Co., Racine, Wis.
Peter Schuttler Co., Chicago, Ill.
Studebaker Corp. of America, South Bend, Ind.
Troy Wagon Works Co., Troy, Ohio.

Wagons, Road.
(See Buggies.)

Wagons, Spring.
(See also Buggies.)
Moon Bros. Carriage Co., St. Louis, Mo.
Parry Mfg. Co., Indianapolis, Ind.
Racine Sattley Co., Racine, Wis.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Implement and Carriage Co., Moline, Ill.
Studebaker Corp. of America, South Bend, Ind.
Velie Carriage Co., Moline, Ill.

Wagons, Sprinkling.
Austin Mfg. Co., Chicago, Ill.
Studebaker Corp. of America, South Bend, Ind.

Wagons, Stone Spreading.
Austin Mfg. Co., Chicago, Ill.
Western Wheeled Scraper Co., Aurora, Ill.

Waists and Skirts.
(See Costumes and Wraps, Womens.)

Wall Coverings, Woven.
(See Hangings, Wall.)

Wardrobes.
Cron-Kills Co., Piqua, Ohio.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Northern Furniture Co., Sheboygan, Wis.
J. G. Wilson Corp., New York.

Warps, Cotton.
Dana Warp Mills, Westbrook, Me.

Wash Cloths.
D. Jamieson's Sons, Philadelphia, Pa.
W. H. & A. E. Margerison & Co., Philadelphia, Pa.
Putnam Knitting Co., Cohoes, N. Y.
Ward-Meehan Co., Philadelphia, Pa.

Washers, Brewers'.
Wittemann Co., Buffalo, N. Y.

Washers, Copper.
Gaynor Mfg. Co., Bridgeport, Conn.

Washers, Leather.
(See Leather Goods, Mechanical.)

Washers, Lock.
National Lock Washer Co., Newark, N. J.
Positive Lock Washer Co., Newark, N. J.

Washers, Rubber.
(See Rubber Goods, Mechanical.)

Washers, Vulcanized Fibre.
American Vulcanized Fibre Co., Wilmington, Del.

Washers, Wrought Iron and Steel.
Allegheny Steel Co., Pittsburgh, Pa.
Wallace Barnes Co., Bristol, Conn.
Columbus Bolt Works, Columbus, Ohio.
Detroit Screw Works, Detroit, Mich.
Eastern Malleable Iron Co., Naugatuck, Conn.
Graham Nut Co., Pittsburgh, Pa.
William H. Haskell Mfg. Co., Pawtucket, R. I.
Hubbard & Co., Pittsburgh, Pa.
Jenkins Bros., New York.
Oliver Iron and Steel Co., Pittsburgh, Pa.
St. Louis Screw Co., St. Louis, Mo.
Standard Screw Co., Chicago, Ill.
Stanley Works, New Britain, Conn.

Washing Machines, Fruit and Vegetable.
Huntley Mfg. Co., Silver Creek, N. Y.

Washing Machines, Laundry.
American Laundry Machinery Co., Cincinnati, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
P. A. Geier Co., Cleveland, Ohio.
Richmond Cedar Works, Richmond, Va.

Washing Machines, Ore, Coal and Sand.
Heyl & Patterson, Inc., Pittsburgh, Pa.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.

Waste, Cotton.
William B. Charles, Amsterdam, N. Y.
James L. Howard & Co., Hartford, Conn.
Riverside Mills, Augusta, Ga.
Royal Mfg. Co., Rahway, N. J.
Springfield Waste Co., Springfield, Mass.
Union Wadding Co., Pawtucket, R. I.

Waste, Wool.
Frank B. Graves Co., Albany, N. Y.
Riverside Mills, Augusta, Ga.
Royal Mfg. Co., Rahway, N. J.
Springfield Waste Co., Springfield, Mass.
John K. Stewart & Sons, Amsterdam, N. Y.

Watch Case Material.
Newark Watch Case Material Co., Newark, N. J.
Charles Nobs & Son, Newark, N. J.

Watch Cases.
Keystone Watch Case Co., Philadelphia, Pa.

Watch Chain Trimmings.
(See Novelties, Jewelry.)

Watch Insulators.
Newark Watch Case Material Co., Newark, N. J.

Watch Movements.
Illinois Watch Co., Springfield, Ill.
Keystone Watch Case Co., Philadelphia, Pa.

Watches.
D. Gruen, Sons & Co., Cincinnati, Ohio.
R. H. Ingersoll & Bro., New York.
E. Ingraham Co., Bristol, Conn.
Keystone Watch Case Co., Philadelphia, Pa.
New Haven Clock Co., New Haven, Conn.

Water Closets.
John Douglas Co., Cincinnati, Ohio.
Kohler Co., Kohler, Wis.
Thomas Maddock's Sons Co., Trenton, N. J.
J. L. Mott Iron Works, New York.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J.
L. Wolff Mfg. Co., Chicago, Ill.

Water Closets, Railway Car.
Adams & Westlake Co., Chicago, Ill.

Water Distilling Apparatus.
(See Distilling Apparatus, Water.)

Water Supply Systems.
Deming Co., Salem, Ohio.
Flint & Walling Mfg. Co., Kendallville, Ind.

Water Wheels.
(See Wheels, Impulse Water; also Turbines, Water.)

Water Works Supplies.
A. P. Smith Mfg. Co., East Orange, N. J.

Waterproofing Apparatus.
Buffalo Foundry and Machine Co., Buffalo, N. Y.

Waterproofing Compounds.
National Roofing Co., Tonawanda, N. Y.
Sandusky Cement Co., Sandusky, Ohio.
Stamford Rubber Supply Co., Stamford, Conn.
Standard Paint Co., New York.
Toch Bros., New York.
Trussed Concrete Steel Co., Youngstown, Ohio.
Union Oil Co. of California, Los Angeles, Cal.

Waters, Toilet.
Daggett & Ramsdell, New York.
Hall & Ruckel, New York.
James S. Kirk & Co., Chicago, Ill.
Koken Barbers' Supply Co., St. Louis, Mo.

Watt Meters.
(See Electrical Measuring Instruments.)

Wax, Floor.

Charles H. Brown Paint Co., Brooklyn, N. Y.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
John Lucas & Co., Inc., Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Sherwin-Williams Co., Cleveland, Ohio.

Wax, Ironing.

Will & Baumer Co., Inc., Syracuse, N. Y.

Weather Strip, Metallic.

Higgin Mfg. Co., Newport, Ky.

Webbing.

American Mills Co., Waterbury, Conn.
John Boyle & Co., New York.
Buffalo Weaving and Belting Co., Buffalo, N. Y.
Samuel Buyer & Co., New York.
Hope Webbing Co., Providence, R. I.
Ludlow Mfg. Associates, Boston, Mass.
A. A. Marks, New York.
Russell Mfg. Co., Middletown, Conn.
A. Ziegler & Sons Co., Boston, Mass.

Webbing, Elastic.

American Mills Co., Waterbury, Conn.
Ansonia O. & C. Co., Ansonia, Conn.
Samuel Buyer & Co., New York.
Everlastik, Inc., New York.
A. A. Marks, New York.
Russell Mfg. Co., Middletown, Conn.
A. Ziegler & Sons Co., Boston, Mass.

Wedges, Steel.

Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Oliver Iron and Steel Co., Pittsburgh, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Co., Wheeling, W. Va.

Weeders.

W. J. Clark Co., Salem, Ohio.
Wiard Plow Co., Batavia, N. Y.

Weighers and Loaders.

Hart Grain Weigher Co., Peoria, Ill.

Weights and Measures, Standard.

W. & L. E. Gurley, Inc., Troy, N. Y.
Standard Scale and Supply Co., Pittsburgh, Pa.
William Vogel & Brothers, Inc., Brooklyn, N. Y.

Weights, Sash.

National Lock Washer Co., Newark, N. J.

Welders, Electric.

Lincoln Electric Co., Cleveland, Ohio.

Welding and Cutting Apparatus.

(See Oxy-Acetylene Welding and Cutting Apparatus; also Oxy-Hydrogen Welding and Cutting Apparatus.)

Welting, Shoe.

England, Walton & Co., Inc., Philadelphia, Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Edward R. Ladew Co., Inc., Glen Cove, Long Island, N. Y.
Page Belting Co., Concord, N. H.
Proctor, Ellison Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

Wharf Drops.

American Engineering Co., Philadelphia, Pa.

Wheel Parts, Metal.

National Screw and Tack Co., Cleveland, Ohio.
Standard Co., Torrington, Conn.
Walker Weiss Axle Co., Flint, Mich.

Wheel Parts, Wooden.

Crane & MacMahon, Inc., New York.
Eastern Malleable Iron Co., Naugatuck, Conn.
E. A. Gillett & Sons, Boston, Mass.
Phineas Jones & Co., Newark, N. J.
Muncie Wheel Co., Muncie, Ind.
Von Behren Mfg. Co., Evansville, Ind.
Weiss & Lesh Mfg. Co., Muncie, Ind.

Wheelbarrows.

American Clay Machinery Co., Bucyrus, O.
American Steel Scraper Co., Sidney, Ohio.
Fairbanks Co., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Co., Lansing, Mich.
G. L. Stuebner Iron Works, Long Island City, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co., Toledo, Ohio.

Wheels, Abrasive.

Abrasive Co., Philadelphia, Pa.
Waltham Emery Wheel Co., Waltham, Mass.

Wheels, Agricultural Implement.

Electric Wheel Co., Quincy, Ill.
French & Hecht, Davenport, Iowa.

Wheels, Alundum and Crystolon.

Norton Co., Worcester, Mass.

Wheels, Automobile.

Crane & MacMahon, Inc., New York.
French & Hecht, Springfield, Ohio.
Hayes Wheel Co., Jackson, Mich.
Hydraulic Pressed Steel Co., Cleveland, O.
Phineas Jones & Co., Newark, N. J.
Kelsey Wheel Co., Detroit, Mich.
Muncie Wheel Co., Muncie, Ind.
Prudden Wheel Co., Lansing, Mich.
West Steel Casting Co., Cleveland, Ohio.

Wheels, Car and Locomotive.

American Brake Shoe and Foundry Co., New York.
American Car and Foundry Co., New York.
American Steel Foundries, Chicago, Ill.
Bass Foundry and Machine Co., Fort Wayne, Ind.
Duncan Foundry and Machine Works, Alton, Ill.
Gregg Co., Ltd., Hackensack, N. J.
Griffin Wheel Co., Chicago, Ill.
Mt. Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Car Wheel Co., Pittsburgh, Pa.
Railway Steel-Spring Co., New York.
Sanford-Day Iron Works, Inc., Knoxville, Tenn.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Wheels, Carbide of Silicon.

Waltham Grinding Wheel Co., Waltham, Mass.

Wheels, Carbolite.

American Emery Wheel Works, Providence, R. I.

Wheels, Carborundum.

Carborundum Co., Niagara Falls, N. Y.

Wheels, Emery and Corundum.

American Emery Wheel Works, Providence, R. I.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Vitrified Wheel Co., Westfield, Mass.
Waltham Emery Wheel Co., Waltham, Mass.

Wheels, Fly.

(See also Pulleys, Cast Iron.)

Hill Clutch Co., Cleveland, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Mesta Machine Co., Pittsburgh, Pa.

Wheels, Impulse Water.

Barnard & Leas Mfg. Co., Moline, Ill.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Pelton Water Wheel Co., San Francisco, Cal.
Platt Iron Works Co., Dayton, Ohio.

Wheels, Mine Car.

American Pulley Co., Philadelphia, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Wheels, Polishing and Buffing.

(See also Leather, Polishing.)

Bickford & Francis Belting Co., Buffalo, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Pfleghar Harware Specialty Co., New Haven, Conn.

Wheels, Polishing, Leather.

(See also Leather, Polishing.)

Bickford & Francis Belting Co., Buffalo, N. Y.

Wheels, Pressed Steel.

American Pulley Co., Philadelphia, Pa.
Buda Co., Chicago, Ill.
W. J. Clark Co., Salem, Ohio.
Detroit Pressed Steel Co., Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.

Wheels, Propeller.

W. & A. Fletcher, Hoboken, N. J.
Great Lakes Engineering Works, Detroit, Mich.

Wheels, Rubber-Tired.

W. J. Clark Co., Salem, Ohio.
Crane & MacMahon, Inc., New York.

Wheels, Sheave.

(See also Sheaves, Tackle Block.)

Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.

Wheels, Sprocket.

Baldwin Chain and Mfg. Co., Worcester, Mass.
Great Western Mfg. Co., La Porte, Ind.
Hill Clutch Co., Cleveland, Ohio.
Hydraulic Pressed Steel Co., Cleveland, O.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.

Wheels, Steering.

Charles D. Durkee & Co., New York.
Edson Mfg. Co., Boston, Mass.
C. H. Haberkorn & Co., Detroit, Mich.
Pouvailsmith Corp., Poughkeepsie, N. Y.

Wheels, Truck, Steel.

American Pulley Co., Philadelphia, Pa.
W. J. Clark Co., Salem, Ohio.
Fairbanks Co., Springfield, Ohio.

Wheels, Turbine.

(See Turbines, Water.)

Wheels, Wire and Metal.

Electric Wheel Co., Quincy, Ill.
French & Hecht, Davenport, Iowa.
Gendron Wheel Co., Toledo, Ohio.
Phineas Jones & Co., Newark, N. J.
Lansing Co., Lansing, Mich.

Wheels, Wooden Vehicle.

Crane & MacMahon, Inc., New York.
Electric Wheel Co., Quincy, Ill.
Phineas Jones & Co., Newark, N. J.
Muncie Wheel Co., Muncie, Ind.

Whetstones.

(See Sharpeners, Knife and Scythe.)

Whiffletrees, Wood.

Crane & MacMahon, Inc., New York.
E. A. Gillett & Sons, Boston, Mass.
Von Behren Mfg. Co., Evansville, Ky.

Whiskey.

Bernheim Distilling Co., Louisville, Ky.
Bonnie Brothers, Inc., Boston, Mass.
Brown-Forman Co., Inc., Louisville, Ky.
Standard Distilling and Distributing Co., New York.
Stitzel Distilling Co., Louisville, Ky.
Thompson Distilling Co., Pittsburgh, Pa.
R. E. Wathen & Co., Louisville, Ky.
Woolner Distillery Co., Peoria, Ill.
Wright & Taylor, Louisville, Ky.

Whistles, Steam.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
A. & F. Brown Co., New York.
Lunkenheimer Co., Cincinnati, Ohio.
Nathan Mfg. Co., New York.
W. R. Ostrander & Co., New York.
William Powell Co., Cincinnati, Ohio.

Whiting.

Hammill & Gillespie, New York.
Higginson Mfg. Co., Newburgh, N. Y.
Katzenbach & Bullock Co., New York.

Wicking, Candle.

Lees Mfg. Co., Westport, Conn.

Wicking, Miners'.
Louisville Cotton Mills Co., Louisville, Ky.

Wicks, Lamp.
William E. Hooper & Sons Co., Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.

Winches and Capstans.
(See Capstans.)

Wind Shields, Automobile.
English & Mersick Co., New Haven, Conn.
Joseph N. Smith & Co., Detroit, Mich.
Troy Carriage Sunshade Co., Troy, Ohio.

Windlasses.
American Engineering Co, Philadelphia, Pa.
Charles D. Durkee & Co., New York.
Thomas Laughlin Co., Portland, Me.

Windmills.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
S. Freeman & Sons Mfg. Co., Racine, Wis.

Window Frames and Sash, Metal.
William Bayley Co., Springfield, Ohio.
Dahlstrom Metallic Door Co., Jamestown, N. Y.
Detroit Steel Products Co., Detroit, Mich.
Hecla Iron Works, Brooklyn, N. Y.
David Lupton's Sons Co., Philadelphia, Pa.
Mesker Bro. Iron Co., St. Louis, Mo.
C. D. Pruden Co., Baltimore, Md.
Trussed Concrete Steel Co., Youngstown, O.
E. Van Noorden Co., Boston, Mass.

Windows.
(See Doors, Sash and Blinds.)

Windows, Fireproof.
C. D. Pruden Co., Baltimore, Md.
Rasner & Dinger Co., Pittsburgh, Pa.
Trussed Concrete Steel Co., Youngstown, Ohio.

Windows, Memorial.
Gorham Co., New York.

Wines, Medicinal.
Chattanooga Medicine Co., Chattanooga, Tenn.
Eli Lilly & Co., Indianapolis, Ind.
Dr. Miles Medical Co., Elkhart, Ind.
Parke, Davis & Co., Detroit, Mich.

Wire, Annunciator.
American Brass Co., Waterbury, Conn.
Ansonia Electrical Co., Ansonia, Conn.
Hazard Mfg. Co., Wilkes-Barre, Pa.

Wire, Barb.
Atlantic Steel Co., Atlaanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Wire, Brass.
American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
W. S. Hough, Jr., Co., Providence, R. I.
Manhattan Brass Co., New York.
Michigan Wire Cloth Co., Detroit, Mich.
Rome Brass and Copper Co., Rome, N. Y.
Seymour Mfg. Co., Seymour, Conn.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire, Bronze.
Bridgeport Chain Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Co., New York.
Michigan Wire Cloth Co., Detroit, Mich.
Seymour Mfg. Co., Seymour, Conn.

Wire Cables, Aluminum.
Safety Insulated Wire and Cable Co., New York.

Wire Cables, Copper.
American Brass Co., Waterbury, Conn.
Phillips Insulated Wire Co., Pawtucket, R. I.
John A. Roebling's Sons Co. of New York, New York.

Wire Cleaning Equipment.
Morgan Construction Co., Worcester, Mass.

Wire Cloth and Netting.
Appleton Wire Works, Appleton, Wis.
Belfont Iron Works Co., Ironton, Ohio.
Cheney Bigelow Wire Works, Springfield, Mass.
William Cabble Excelsior Wire Mfg. Co., Brooklyn, N. Y.
Colorado Fuel and Iron Co., Denver, Colo.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Lindsay Wire Weaving Co., Collinwood, O.
Michigan Wire Cloth Co., Detroit, Mich.
John A. Roebling's Sons Co. of New York, New York.
Taylor & Dean, Pittsburgh, Pa.
W. S. Tyler Co., Cleveland, Ohio.
Wright Wire Co., Worcester, Mass.

Wire, Copper.
American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Hazard Mfg. Co., Wilkes-Barre, Pa.
W. S. Hough, Jr., Co., Providence, R. I.
Michigan Wire Cloth Co., Detroit, Mich.
Phillips Insulated Wire Co., Pawtucket, R. I.
John A. Roebling's Sons Co. of New York, New York.
Rome Brass and Copper Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.
Whitney Blake Co., New Haven, Conn.

Wire Fencing.

Anchor Post Iron Works, New York.
Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Dow Wire and Iron Works, Louisville, Ky.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel and Wire Co., Peoria, Ill.
Peerless Wire Fence Co., Adrian, Mich.
Pittsburgh Steel Co., Pittsburgh, Pa.
Wright Wire Co., Worcester, Mass.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Wire, Fourdrinier.

Appleton Wire Works, Appleton, Wis.
Cheney Bigelow Wire Works, Springfield, Mass.
Lindsay Wire Weaving Co., Collinwood, O.

Wire, Galvanized.

American Electrical Works, Phillipsdale, R. I.
Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Broderick & Bascom Rope Co., St. Louis, Mo.
Colorado Fuel and Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.

Wire Galvanizing Equipment.

Morgan Construction Co., Worcester, Mass.

Wire, German Silver.

American Brass Co., Waterbury, Conn.
Bristol Brass Co., Bristol, Conn.
Michigan Wire Cloth Co., Detroit, Mich.
Seymour Mfg. Co., Seymour, Conn.

Wire, Gold and Gold-Filled.

W. S. Hough, Jr., Co., Providence, R. I.

Wire, Insulated.

Acme Rubber Mfg. Co., Trenton, N. J.
Acorn Insulated Wire Co., Inc., Brooklyn, N. Y.
American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Atlantic Insulated Wire and Cable Co., New York.
Bishop Gutta Percha Co., New York.
Crescent Insulated Wire and Cable Co., Trenton, N. J.
D & W Fuse Co., Providence, R. I.
Detroit Insulated Wire Co., Detroit, Mich.
B. F. Goodrich Co., Akron, Ohio.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kerite Insulated Wire and Cable Co., Inc., New York.
Okonite Co., New York.
Phillips Insulated Wire Co., Pawtucket, R. I.
John A. Roebling's Sons Co., of New York, New York.
Rome Electrical Co., Rome, N. Y.
Safety Insulated Wire and Cable Co., New York.
Simplex Wire and Cable Co., Boston, Mass.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire, Insulated—Cont.

United States Rubber Export Co., Ltd., New York.
Whitney Blake Co., New Haven, Conn.

Wire, Iron.

Ansonia Electrical Co., Ansonia, Conn.
Atlantic Wire Co., Branford, Conn.
Belfont Iron Works Co., Ironton, Ohio.
George W. Prentiss & Co., Holyoke, Mass.

Wire Lathing.

Michigan Wire Cloth Co., Detroit, Mich.
Wright Wire Co., Worcester, Mass.

Wire, Magnet.

Acme Wire Co., New Haven, Conn.
American Brass Co., Bridgeport, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Rome Electrical Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire, Music.

(See Strings, Musical; also Hardware, Piano.)

Wire, Nickel.

Seymour Mfg. Co., Seymour, Conn.

Wire, Phosphor-Bronze.

Driver-Harris Wire Co., Harrison, N. J.
Michigan Wire Cloth Co., Detroit, Mich.
Seymour Mfg. Co., Seymour, Conn.

Wire, Piano.

(See Hardware, Piano.)

Wire, Platinum.

Baker & Co., Inc., Newark, N. J.

Wire Rods, Brass and Copper.

American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire Rods, Steel.

Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Pittsburgh Steel Co., Pittsburgh, Pa.

Wire Rope.

(See Cordage, Wire.)

Wire, Silver.

Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Wire, Spark Plug.

Driver-Harris Wire Co., Harrison, N. J.

Wire Specialties.

Wire Novelty Mfg. Co., West Haven, Conn.

Wire, Spring.

Gulf States Steel Co, Birmingham, Ala.
Waterbury Co., New York.

Wire, Steel.

Atlantic Steel Co., Atlanta, Ga.
Atlantic Wire Co., Branford, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Broderick & Bascom Rope Co., St. Louis, Mo.
Gulf States Steel Co., Birmingham, Ala.
Halcomb Steel Co., Syracuse, N. Y.
Pittsburgh Steel Co., Pittsburgh, Pa.
George W. Prentiss & Co., Holyoke, Mass.
John A. Roebling's Sons Co. of New York, New York.
Townsend Co., New Brighton, Pa.
Whitney Blake Co., New Haven, Conn.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Wire, Stranded and Braided.

Driver-Harris Wire Co., Harrison, N. J.

Wire, Weaving, Brass, Bronze and Phosphor-Bronze.

Driver-Harris Wire Co., Harrison, N. J.

Wire Work.

(See Metal Work, Wire.)

Wireless Telegraph Apparatus.

A. C. Gilbert Co., New Haven, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., Inc., New York.
Milliken Brothers, Inc., Milliken, Staten Island, N. Y.

Wood, Bent.

Crane & MacMahon, Inc., New York.
Von Behren Mfg. Co., Evansville, Ind.

Wood Fillers.

Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Berry Brothers, Detroit, Mich.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Chicago Varnish Co., Chicago, Ill.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Heath & Milligan Mfg. Co., Chicago, Ill.
John Lucas & Co., Inc., Philadelphia, Pa.
Marietta Paint and Color Co., Marietta, O.
Moller & Schumann Co., Brooklyn, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., Philadelphia, Pa.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Varnish Works, New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Woodenware.

California Barrel Co., San Francisco, Cal.
Richmond Cedar Works, Richmond, Va.
John Sommer Faucet Co., Newark, N. J.

Woodwork, Carriage.

Crane & MacMahon, Inc., New York.
Von Behren Mfg. Co., Evansville, Ind.

Woodwork, Exterior.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
Hammond Lumber Co., San Francisco, Cal.

Woodwork, Exterior—Cont.

Johnson Brothers, Brooklyn, N. Y.
A. Roberson & Son, Binghamton, N. Y.
St. John Wood Working Co., Stamford, Conn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox Co., Minneapolis, Minn.

Woodwork, Interior.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
Carr, Ryder & Adams Co., Dubuque, Iowa.
Conway Co., Milwaukee, Wis.
Curtis, Towle & Paine Co., Lincoln, Neb.
R. H. Downman, New Orleans, La.
Otto Duker & Co., Baltimore, Md.
F. Eggers Veneer Seating Co., Two Rivers, Wis.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
M. J. Gibbud Co., Inc., New Haven, Conn.
Hammond Lumber Co., San Francisco, Cal.
Hotchkiss Brothers Co., Torrington, Conn.
Huttig Sash and Door Co., St. Louis, Mo.
Johnson Brothers, Brooklyn, N. Y.
Montgomery Bros. & Co., Buffalo, N. Y.
Albro J. Newton Co., Brooklyn, N. Y.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Roach & Musser Co., Muscatine, Iowa.
A. Roberson & Son, Binghamton, N. Y.
William L. Ross & Co., East Cambridge, Mass.
St. John Wood Working Co., Stamford, Conn.
Scott-Graff Lumber Co., Duluth, Minn.
Henry Shenk Co., Erie, Pa.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
A. Teachout Co., Cleveland, Ohio.
Union Lumber Co., San Francisco, Cal.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox Co., Minneapolis, Minn.
J. G. Wilson Corp., New York.

Woodwork, Special.

Piqua Handle and Mfg. Co., Piqua, Ohio.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Wool.

E. S. Parkhurst & Co., Inc., Gloversville, N. Y.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.

Woolen Cheviots.

W. J. Dickey & Sons, Inc., New York.
Peace Dale Mfg. Co., Peace Dale, R. I.

Woolen Fabrics.

Atlantic Mills of Rhode Island, Providence, R. I.
Ballard Vale Mills Co., Ballard Vale, Mass.
Botany Woolen Mills, Passaic, N. J.
W. J. Dickey & Sons, Inc., New York.
Eugene Woolen Mill Co., Eugene, Ore.
Joseph E. Fletcher, Providence, R. I.
Forstmann & Huffmann Co., Passaic, N. J.
Samuel Fox's Sons, Inc., La Porte, Ind.
Harris, Emery Co., New York.
Thomas Kay Woolen Mill Co., Salem, Ore.
Lawrence & Co., Boston, Mass.
Thomas Oakes & Co., Bloomfield, N. J.
F. A. Patrick & Co., Duluth, Minn.

Wheels, Carbolite.

American Emery Wheel Works, Providence, R. I.

Wheels, Carborundum.

Carborundum Co., Niagara Falls, N. Y.

Wheels, Emery and Corundum.

American Emery Wheel Works, Providence, R. I.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Diamond Saw and Stamping Works, Buffalo, N. Y.
Vitrified Wheel Co., Westfield, Mass.
Waltham Emery Wheel Co., Waltham, Mass.

Wheels, Fly.

(See also Pulleys, Cast Iron.)

Hill Clutch Co., Cleveland, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Mesta Machine Co., Pittsburgh, Pa.

Wheels, Impulse Water.

Barnard & Leas Mfg. Co., Moline, Ill.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Pelton Water Wheel Co., San Francisco, Cal.
Platt Iron Works Co., Dayton, Ohio.

Wheels, Mine Car.

American Pulley Co., Philadelphia, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Phillips Mine and Mill Supply Co., Pittsburgh, Pa.
Watt Mining Car Wheel Co., Barnesville, Ohio.

Wheels, Polishing and Buffing.

(See also Leather, Polishing.)

Bickford & Francis Belting Co., Buffalo, N. Y.
Chicago Wheel and Mfg. Co., Chicago, Ill.
Pfleghar Harware Specialty Co., New Haven, Conn.

Wheels, Polishing, Leather.

(See also Leather, Polishing.)

Bickford & Francis Belting Co., Buffalo, N. Y.

Wheels, Pressed Steel.

American Pulley Co., Philadelphia, Pa.
Buda Co., Chicago, Ill.
W. J. Clark Co., Salem, Ohio.
Detroit Pressed Steel Co., Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.

Wheels, Propeller.

W. & A. Fletcher, Hoboken, N. J.
Great Lakes Engineering Works, Detroit, Mich.

Wheels, Rubber-Tired.

W. J. Clark Co., Salem, Ohio.
Crane & MacMahon, Inc., New York.

Wheels, Sheave.

(See also Sheaves, Tackle Block.)

Hill Clutch Co., Cleveland, Ohio.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.

Wheels, Sprocket.

Baldwin Chain and Mfg. Co., Worcester, Mass.
Great Western Mfg. Co., La Porte, Ind.
Hill Clutch Co., Cleveland, Ohio.
Hydraulic Pressed Steel Co., Cleveland, O.
Jeffrey Mfg. Co., Columbus, Ohio.
Link-Belt Co., Chicago, Ill.
Medart Patent Pulley Co., St. Louis, Mo.
Meese & Gottfried Co., San Francisco, Cal.

Wheels, Steering.

Charles D. Durkee & Co., New York.
Edson Mfg. Co., Boston, Mass.
C. H. Haberkorn & Co., Detroit, Mich.
Pouvailsmith Corp., Poughkeepsie, N. Y.

Wheels, Truck, Steel.

American Pulley Co., Philadelphia, Pa.
W. J. Clark Co., Salem, Ohio.
Fairbanks Co., Springfield, Ohio.

Wheels, Turbine.

(See Turbines, Water.)

Wheels, Wire and Metal.

Electric Wheel Co., Quincy, Ill.
French & Hecht, Davenport, Iowa.
Gendron Wheel Co., Toledo, Ohio.
Phineas Jones & Co., Newark, N. J.
Lansing Co., Lansing, Mich.

Wheels, Wooden Vehicle.

Crane & MacMahon, Inc., New York.
Electric Wheel Co., Quincy, Ill.
Phineas Jones & Co., Newark, N. J.
Muncie Wheel Co., Muncie, Ind.

Whetstones.

(See Sharpeners, Knife and Scythe.)

Whiffletrees, Wood.

Crane & MacMahon, Inc., New York.
E. A. Gillett & Sons, Boston, Mass.
Von Behren Mfg. Co., Evansville, Ky.

Whiskey.

Bernheim Distilling Co., Louisville, Ky.
Bonnie Brothers, Inc., Boston, Mass.
Brown-Forman Co., Inc., Louisville, Ky.
Standard Distilling and Distributing Co., New York.
Stitzel Distilling Co., Louisville, Ky.
Thompson Distilling Co., Pittsburgh, Pa.
R. E. Wathen & Co., Louisville, Ky.
Woolner Distillery Co., Peoria, Ill.
Wright & Taylor, Louisville, Ky.

Whistles, Steam.

American Steam Gauge and Valve Mfg. Co., Boston, Mass.
A. & F. Brown Co., New York.
Lunkenheimer Co., Cincinnati, Ohio.
Nathan Mfg. Co., New York.
W. R. Ostrander & Co., New York.
William Powell Co., Cincinnati, Ohio.

Whiting.

Hammill & Gillespie, New York.
Higginson Mfg. Co., Newburgh, N. Y.
Katzenbach & Bullock Co., New York.

Wicking, Candle.

Lees Mfg. Co., Westport, Conn.

Yarns, Woolen—Cont.

Vm. Scholes & Sons, Inc., Philadelphia, Pa.
Villiam Spink, Philadelphia, Pa.
tafford & Co., Philadelphia, Pa.

Yarns, Worsted.

Botany Worsted Mills, Passaic, N. J.
B. F. Boyer Co., Camden, N. J.
A. J. Cameron & Co., Philadelphia, Pa.
Cleveland Worsted Mills Co., Cleveland, O.
Howland Croft, Sons & Co., Camden, N. J.
Forstmann & Huffmann Co., Passaic, N. J.
Highland Worsted Mills, Camden, N. J.
James Lees & Sons Co., Bridgeport, Pa.
Lymansville Co., Providence, R. I.
Pitkin-Holdsworth Worsted Co., Passaic, N. J.
Rockford Mitten and Hosiery Co., Rockford, Ill.
Wm. Scholes & Sons, Inc., Philadelphia, Pa.
Stafford & Co., Philadelphia, Pa.
F. A. Straus & Co., New York.
Woonsocket Worsted Mills, Woonsocket, R. I.

Yeast.

Northwestern Yeast Co., Chicago, Ill.

Zinc, Chloride.

Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Zinc Ingot.

(See Spelter.)

Zinc, Oxide of.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
New Jersey Zinc Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Zinc Phosphide.

Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Zinc, Rolled.

Hazel-Atlas Glass Co., Wheeling, W. Va.
New Jersey Zinc Co., New York.
Platt Bros. & Co., Waterbury, Conn.

Zinc Sulphate.

Goldschmidt Detinning Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Zinc White.

(See Zinc, Oxide of.)

Zincs, Battery.

Brady Brass Co., Jersey City, N. J.
Grasselli Chemical Co., New York.
Pacific Metal Works, San Francisco, Cal.
Waterbury Battery Co., Waterbury, Conn.

---

to manufacturers whose names are given in this book.

Wire Fencing.

Anchor Post Iron Works, New York.
Belfont Iron Works Co., Ironton, Ohio.
Colorado Fuel and Iron Co., Denver, Colo.
Dow Wire and Iron Works, Louisville, Ky.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gulf States Steel Co., Birmingham, Ala.
Keystone Steel and Wire Co., Peoria, Ill.
Peerless Wire Fence Co., Adrian, Mich.
Pittsburgh Steel Co., Pittsburgh, Pa.
Wright Wire Co., Worcester, Mass.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Wire, Fourdrinier.

Appleton Wire Works, Appleton, Wis.
Cheney Bigelow Wire Works, Springfield, Mass.
Lindsay Wire Weaving Co., Collinwood, O.

Wire, Galvanized.

American Electrical Works, Phillipsdale, R. I.
Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Broderick & Bascom Rope Co., St. Louis, Mo.
Colorado Fuel and Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Keystone Steel and Wire Co., Peoria, Ill.
Pittsburgh Steel Co., Pittsburgh, Pa.

Wire Galvanizing Equipment.

Morgan Construction Co., Worcester, Mass.

Wire, German Silver.

American Brass Co., Waterbury, Conn.
Bristol Brass Co., Bristol, Conn.
Michigan Wire Cloth Co., Detroit, Mich.
Seymour Mfg. Co., Seymour, Conn.

Wire, Gold and Gold-Filled.

W. S. Hough, Jr., Co., Providence, R. I.

Wire, Insulated.

Acme Rubber Mfg. Co., Trenton, N. J.
Acorn Insulated Wire Co., Inc., Brooklyn, N. Y.
American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Atlantic Insulated Wire and Cable Co., New York.
Bishop Gutta Percha Co., New York.
Crescent Insulated Wire and Cable Co., Trenton, N. J.
D & W Fuse Co., Providence, R. I.
Detroit Insulated Wire Co., Detroit, Mich.
B. F. Goodrich Co., Akron, Ohio.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kerite Insulated Wire and Cable Co., Inc., New York.
Okonite Co., New York.
Phillips Insulated Wire Co., Pawtucket, R. I.
John A. Roebling's Sons Co., of New York, New York.
Rome Electrical Co., Rome, N. Y.
Safety Insulated Wire and Cable Co., New York.
Simplex Wire and Cable Co., Boston, Mass.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire, Insulated—Cont.

United States Rubber Export Co., Ltd., New York.
Whitney Blake Co., New Haven, Conn.

Wire, Iron.

Ansonia Electrical Co., Ansonia, Conn.
Atlantic Wire Co., Branford, Conn.
Belfont Iron Works Co., Ironton, Ohio.
George W. Prentiss & Co., Holyoke, Mass.

Wire Lathing.

Michigan Wire Cloth Co., Detroit, Mich.
Wright Wire Co., Worcester, Mass.

Wire, Magnet.

Acme Wire Co., New Haven, Conn.
American Brass Co., Bridgeport, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Rome Electrical Co., Rome, N. Y.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire, Music.

(See Strings, Musical; also Hardware, Piano.)

Wire, Nickel.

Seymour Mfg. Co., Seymour, Conn.

Wire, Phosphor-Bronze.

Driver-Harris Wire Co., Harrison, N. J.
Michigan Wire Cloth Co., Detroit, Mich.
Seymour Mfg. Co., Seymour, Conn.

Wire, Piano.

(See Hardware, Piano.)

Wire, Platinum.

Baker & Co., Inc., Newark, N. J.

Wire Rods, Brass and Copper.

American Brass Co., Waterbury, Conn.
American Electrical Works, Phillipsdale, R. I.
Standard Underground Cable Co., Pittsburgh, Pa.

Wire Rods, Steel.

Atlantic Steel Co., Atlanta, Ga.
Belfont Iron Works Co., Ironton, Ohio.
Pittsburgh Steel Co., Pittsburgh, Pa.

Wire Rope.

(See Cordage, Wire.)

Wire, Silver.

Handy & Harman, New York.
W. S. Hough, Jr., Co., Providence, R. I.

Wire, Spark Plug.

Driver-Harris Wire Co., Harrison, N. J.

Wire Specialties.

Wire Novelty Mfg. Co., West Haven, Conn.

Wire, Spring.

Gulf States Steel Co, Birmingham, Ala.
Waterbury Co., New York.

Wire, Steel.

Atlantic Steel Co., Atlanta, Ga.
Atlantic Wire Co., Branford, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Broderick & Bascom Rope Co., St. Louis, Mo.
Gulf States Steel Co., Birmingham, Ala.
Halcomb Steel Co., Syracuse, N. Y.
Pittsburgh Steel Co., Pittsburgh, Pa.
George W. Prentiss & Co., Holyoke, Mass.
John A. Roebling's Sons Co. of New York, New York.
Townsend Co., New Brighton, Pa.
Whitney Blake Co., New Haven, Conn.
Youngstown Sheet and Tube Co., Youngstown, Ohio.

Wire, Stranded and Braided.

Driver-Harris Wire Co., Harrison, N. J.

Wire, Weaving, Brass, Bronze and Phosphor-Bronze.

Driver-Harris Wire Co., Harrison, N. J.

Wire Work.

(See Metal Work, Wire.)

Wireless Telegraph Apparatus.

A. C. Gilbert Co., New Haven, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.
Manhattan Electrical Supply Co., Inc., New York.
Milliken Brothers, Inc., Milliken, Staten Island, N. Y.

Wood, Bent.

Crane & MacMahon, Inc., New York.
Von Behren Mfg. Co., Evansville, Ind.

Wood Fillers.

Adams & Elting Co., Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Berry Brothers, Detroit, Mich.
Charles H. Brown Paint Co., Brooklyn, N. Y.
Chicago Varnish Co., Chicago, Ill.
Felton, Sibley & Co., Inc., Philadelphia, Pa.
Heath & Milligan Mfg. Co., Chicago, Ill.
John Lucas & Co., Inc., Philadelphia, Pa.
Marietta Paint and Color Co., Marietta, O.
Moller & Schumann Co., Brooklyn, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., Philadelphia, Pa.
Pratt & Lambert, Inc., Buffalo, N. Y.
Sherwin-Williams Co., Cleveland, Ohio.
Standard Varnish Works, New York.
Wadsworth, Howland & Co., Inc., Boston, Mass.

Woodenware.

California Barrel Co., San Francisco, Cal.
Richmond Cedar Works, Richmond, Va.
John Sommer Faucet Co., Newark, N. J.

Woodwork, Carriage.

Crane & MacMahon, Inc., New York.
Von Behren Mfg. Co., Evansville, Ind.

Woodwork, Exterior.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
Hammond Lumber Co., San Francisco, Cal.

Woodwork, Exterior—Cont.

Johnson Brothers, Brooklyn, N. Y.
A. Roberson & Son, Binghamton, N. Y.
St. John Wood Working Co., Stamford, Conn.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox Co., Minneapolis, Minn.

Woodwork, Interior.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Louis Bossert & Son, Brooklyn, N. Y.
Carr, Ryder & Adams Co., Dubuque, Iowa.
Conway Co., Milwaukee, Wis.
Curtis, Towle & Paine Co., Lincoln, Neb.
R. H. Downman, New Orleans, La.
Otto Duker & Co., Baltimore, Md.
F. Eggers Veneer Seating Co., Two Rivers, Wis.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
M. J. Gibbud Co., Inc., New Haven, Conn.
Hammond Lumber Co., San Francisco, Cal.
Hotchkiss Brothers Co., Torrington, Conn.
Huttig Sash and Door Co., St. Louis, Mo.
Johnson Brothers, Brooklyn, N. Y.
Montgomery Bros. & Co., Buffalo, N. Y.
Albro J. Newton Co., Brooklyn, N. Y.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Roach & Musser Co., Muscatine, Iowa.
A. Roberson & Son, Binghamton, N. Y.
William L. Ross & Co., East Cambridge, Mass.
St. John Wood Working Co., Stamford, Conn.
Scott-Graff Lumber Co., Duluth, Minn.
Henry Shenk Co., Erie, Pa.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.
A. Teachout Co., Cleveland, Ohio.
Union Lumber Co., San Francisco, Cal.
Wheeler-Osgood Co., Tacoma, Wash.
John F. Wilcox Co., Minneapolis, Minn.
J. G. Wilson Corp., New York.

Woodwork, Special.

Piqua Handle and Mfg. Co., Piqua, Ohio.
A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Wool.

E. S. Parkhurst & Co., Inc., Gloversville, N. Y.
Swift & Co., Chicago, Ill.
Union Meat Co., North Portland, Ore.

Woolen Cheviots.

W. J. Dickey & Sons, Inc., New York.
Peace Dale Mfg. Co., Peace Dale, R. I.

Woolen Fabrics.

Atlantic Mills of Rhode Island, Providence, R. I.
Ballard Vale Mills Co., Ballard Vale, Mass.
Botany Woolen Mills, Passaic, N. J.
W. J. Dickey & Sons, Inc., New York.
Eugene Woolen Mill Co., Eugene, Ore.
Joseph E. Fletcher, Providence, R. I.
Forstmann & Huffmann Co., Passaic, N. J.
Samuel Fox's Sons, Inc., La Porte, Ind.
Harris, Emery Co., New York.
Thomas Kay Woolen Mill Co., Salem, Ore.
Lawrence & Co., Boston, Mass.
Thomas Oakes & Co., Bloomfield, N. J.
F. A. Patrick & Co., Duluth, Minn.

Woolen Fabrics—Cont.

Peace Dale Mfg. Co., Peace Dale, R. I.
Pearce Mfg. Co., Pittsburgh, Pa.
William F. Read & Sons Co., Philadelphia, Pa.
Roy Woolen Co., Watervliet, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
William Spink, Philadelphia, Pa.
Strong, Hewat & Co., New York.
United States Worsted Co., Boston, Mass.
Worcester Woolen Mill Co., Worcester, Mass.

Woolen Fabrics, Cotton Warp.

H. C. Jones Co., Conshohocken, Pa.
Pacific Mills, Boston, Mass.

Workingmen's Clothing.

(See Clothing, Workingmen's.)

Worsted Fabrics.

Brighton Worsted Co., Philadelphia, Pa.
Cleveland Worsted Mills Co., Cleveland, O.
Colwell Worsted Mills, Providence, R. I.
Dunn Worsted Mills, Woonsocket, R. I.
Farr Alpaca Co., Holyoke, Mass.
Joseph E. Fletcher, Providence, R. I.
Forstmann & Huffmann Co., Passaic, N. J.
J. R. Keim & Co., Philadelphia, Pa.
Leominster Worsted Co., Leominster, Mass.
Lippitt Woolen Co., Woonsocket, R. I.
Lorraine Mfg. Co., Pawtucket, R. I.
Lymansville Co., Providence, R. I.
Morton H. Meinhard & Co., New York.
Nixon, Walker & Tracy, New York.
Peace Dale Mfg. Co., Peace Dale, R. I.
Princeton Worsted Mills, Inc., Trenton, N. J.
William F. Read & Sons Co., Philadelphia, Pa.
Saxonia Dress Goods Mills, New York.
Fred L. Sayles Co., Pascoag, R. I.
Shelbourne Mills, Philadelphia, Pa.
United States Worsted Co., Boston, Mass.
Warwick Mills, Centreville, R. I.
Thoomas H. Wilson, Inc., Philadelphia, Pa.

Wraps, Women's.

(See Costumes and Wraps, Women's.)

Wrenches, Chain.

Drop Forging Co. of New York, Jersey City, N. J.
Kroeschell Brothers Co., Chicago, Ill.
Trimont Mfg. Co., Roxbury, Mass.

Wrenches, Mechanics'.

Billings & Spencer Co., Hartford, Conn.
Coes Wrench Co., Worcester, Mass.
Dikeman Mfg. Co., Norwalk, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass.
Lamson & Sessions Co., Cleveland, Ohio.
North Brothers Mfg. Co., Philadelphia, Pa.
Sargent & Co., New York.
Standard Tool Co., Cleveland, Ohio.
L. S. Starrett Co., Athol, Mass.
Transue & Williams Co., Alliance, Ohio.
Trimont Mfg. Co., Roxbury, Mass.
Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Vlchek Tool Co., Cleveland, Ohio.
Whitman & Barnes Mfg. Co., Akron, Ohio.

Wringers, Clothes.

Lovell Mfg. Co., Erie, Pa.

X-Ray Outfits.

Kny-Scheerer Co., New York.

X-Ray Plates.

G. Cramer Dry Plate Co., St. Louis, Mo.

Yachts, Fishing and Pleasure.

Gas Engine and Power Co. & Charles L. Seabury & Co., Consolidated, New York.
George Lawley & Son Corp., Neponset, Mass.

Yarns, Cotton.

Boston Mfg. Co., Boston, Mass.
Dana Warp Mills, Westbrook, Me.
Delph Spinning Co., Philadelphia, Pa.
Delta Spinning Mills, Philadelphia, Pa.
Dexter Yarn Co., Pawtucket, R. I.
William E. Hooper & Sons Co., Baltimore, Md.
Hoosac Cotton Mills, Boston, Mass.
Joslin Mfg. Co., Providence, R. I.
J. H. Lane & Co., New York.
Lawton Mills Corp., Boston, Mass.
W. S. Libby Co., Lewiston, Me.
Lincoln Mfg. Co., Fall River, Mass.
Louisville Cotton Mills Co., Louisville, Ky.
Manville Co., Providence, R. I.
Monument Mills, Housatonic, Mass.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md.
Muscogee Mfg. Co., Columbus, Ga.
Renfrew Mfg. Co., Adams, Mass.
John K. Stewart & Sons, Amsterdam, N. Y.
Taber Mill, New Bedford, Mass.
Tremont and Suffolk Mills, Boston, Mass.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.
Warren Mfg. Co., Warren, R. I.
West Bolyston Mfg. Co., Easthampton, Mass.

Yarns, Hosiery, Cotton.

Gate City Cotton Mills, Atlanta, Ga.
Muscogee Mfg. Co., Columbus, Ga.
Skenandoa Cotton Co., Utica, N. Y.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

Yarns, Jute.

Chelsea Fibre Mills, New York.
Columbian Rope Co., Auburn, N. Y.
Dolphin Jute Mills, Paterson, N. J.
Ludlow Mfg. Associates, Boston, Mass.

Yarns, Lath and Fodder.

R. A. Kelly Co., Xenia, Ohio.
Whitlock Cordage Co., New York.

Yarns, Linen.

Ludlow Mfg. Associates, Boston, Mass.
Smith & Dove Mfg. Co., Andover, Mass.

Yarns, Silk.

(See Silk, Thrown.)

Yarns, Woolen.

Beswick & Clay Co., Inc., Philadelphia, Pa.
Wilson H. Brown, Philadelphia, Pa.
A. J. Cameron & Co., Philadelphia, Pa.
James Lees & Sons Co., Bridgeport, Pa.
Mark D. Ring's Son & Co., Philadelphia, Pa.
Rockford Mitten and Hosiery Co., Rockford, Ill.

Yarns, Woolen—Cont.

Wm. Scholes & Sons, Inc., Philadelphia, Pa.
William Spink, Philadelphia, Pa.
Stafford & Co., Philadelphia, Pa.

Yarns, Worsted.

Botany Worsted Mills, Passaic, N. J.
B. F. Boyer Co., Camden, N. J.
A. J. Cameron & Co., Philadelphia, Pa.
Cleveland Worsted Mills Co., Cleveland, O.
Howland Croft, Sons & Co., Camden, N. J.
Forstmann & Huffmann Co., Passaic, N. J.
Highland Worsted Mills, Camden, N. J.
James Lees & Sons Co., Bridgeport, Pa.
Lymansville Co., Providence, R. I.
Pitkin-Holdsworth Worsted Co., Passaic, N. J.
Rockford Mitten and Hosiery Co., Rockford, Ill.
Wm. Scholes & Sons, Inc., Philadelphia, Pa.
Stafford & Co., Philadelphia, Pa.
F. A. Straus & Co., New York.
Woonsocket Worsted Mills, Woonsocket, R. I.

Yeast.

Northwestern Yeast Co., Chicago, Ill.

Zinc, Chloride.

Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.

Zinc Ingot.

(See Spelter.)

Zinc, Oxide of.

Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
New Jersey Zinc Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Zinc Phosphide.

Powers-Weightman-Rosengarten Co., Philadelphia, Pa.

Zinc, Rolled.

Hazel-Atlas Glass Co., Wheeling, W. Va.
New Jersey Zinc Co., New York.
Platt Bros. & Co., Waterbury, Conn.

Zinc Sulphate.

Goldschmidt Detinning Co., New York.
Grasselli Chemical Co., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merck & Co., New York.
John C. Wiarda & Co., Brooklyn, N. Y.

Zinc White.

(See Zinc, Oxide of.)

Zincs, Battery.

Brady Brass Co., Jersey City, N. J.
Grasselli Chemical Co., New York.
Pacific Metal Works, San Francisco, Cal.
Waterbury Battery Co., Waterbury, Conn.

---

to manufacturers whose names are given in this book.

Maneira de Usar este Indice

Ao consultar-se este Indice nota-se que differe dos annuarios commerciaes usualmente publicados, visto conter, além das listas classificadas, uma secção (Parte I) que dá em ordem alphabetica os nomes das firmas ou companhias e descreve detalhadamente os artigos fabricados pelas mesmas.

E' sempre difficil preparar correctamente listas de firmas e companhias sob titulos classificados, de modo resumido, e o numero d'estes tem necessariamente de ser limitado. Portanto, quem souber lêr Inglez deve seguir a regra de buscar, na Secção Alphabetica do livro, a descripção da companhia com a qual deseja communicar, a fim de poder determinar claramente se a mesma fabríca ou não o artigo que deseja, bem como a classe de artigos em que o consulente possa estar interessado.

A Secção Alphabetica é util, mesmo para aquelles cujos conhecimentos da lingua ingleza são limitadissimos, visto que em muitos casos indica que a companhia tem um agente no paiz do interessado, podendo-se do mesmo obter informação relativa aos artigos desejados em muito menor espaço de tempo do que escrevendo directamente ao escriptorio principal nos Estados Unidos.

Quando, porém, seja impossivel encontrar no Indice a informação desejada, quem d'elle fizer uso fica desde já convidado a communicar as suas exigencias directamente á National Association of Manufacturers, 30 Church St., New York, onde taes communicações merecerão sempre prompta e cuidadosa attenção.

Parte III

Lista Alphabetica dos Artigos
fabricados pelos membros da
Associação Nacional de Fabricantes

(Leia-se a introducção, pagina iii)

Os nomes dos fabricantes productores dos artigos que se desejem, encontram-se na Parte II (paginas 269 a 465), debaixo dos respectivos cabeçalhos em inglez expressos na lista seguinte.*

Os endereços completos d'estes fabricantes e, em muitos casos tambem, dos seus representantes no extrangeiro, encontram-se na Parte I (paginas 1 a 268).

(Esta lista não deve considerar-se como um diccionario. Vide a nota ao pé.)

Abaixa-luzes para Candieiros de Gaz e Luz Electrica—Shades, Gas and Electric Light.
Abridores de Latas—Openers, Can.
Accendedores Electricos para Charutos—Cigar Lighters, Electric.
— de Motores a Gaz—Igniters, Gas Engine.
Accessorios para Acidos—Fittings, Acid.
— para Ammonia—Fittings, Ammonia.
— para Cabos d'Arame—Fittings, Wire Rope.
— de Mercado—Fixtures, Market.
— para Tubos Malleaveis—Fittings, Malleable Pipe.
— para Vapor, Gaz e Agua—Fittings, Steam, Gas and Water.
Accumuladores—Batteries, Electric Storage.
— Hydraulicos—Accumulators, Hydraulic.
Acetanilide—Acetanilide.
Acetona—Acetone.
Acetylene—Acetylene.
— Apparelhos de Illuminação a Gaz de—Acetylene Gas Lighting Apparatus.
Acharoados, Objectos—Japanned Ware.
Acido Acetico—Acid, Acetic.
— Boracico, Cittrico e Tartarico — Acid, Boracic, Citric and Tartaric.

Acido—*Continuação.*
— Carbolico e Cresylico—Acid, Carbolic and Cresylic.
— Chlorhydrico—Acid, Hydrochloric.
— Molybdenico—Acid, Molybdenic.
— Muriatico e Nitrico—Acid, Muriatic and Nitric.
—, Phosphato—Acid Phosphate.
— Salicylico—Acid Salicylic.
— Sulphurico—Acid, Sulphuric.
— Tungstenico—Acid, Tungstic.
— Vanadico—Acid, Vanadic.
Acidos para Accumuladores—Acid, Storage Battery.
Aço de Analyse Especial—Steel, Special Analysis.
—, Barras Chatas de—Steel Sheet Bars.
— "Bessemer," em Linguados—Steel Billets, Bessemer.
— de Cadinho—Steel, Crucible.
—, Chapa de—Steel Plate.
—, Chapa Galvanizada de—Steel, Sheet, Galvanized.
— para Cintas e Arcos—Steel, Band and Hoop.
— de Commercio em Barra—Steel, Merchant Bar.
— Electrico em Linguados—Steel Billets, Electric.

* Com o fim de simplificar e facilitar o uso pratico d'esta lista portugueza é o consulente, em cada caso, referido directamente á epigraphe em inglez por baixo da qual apparecem os nomes dos fabricantes que se deseja conhecer, sem passar pelas epigraphes intermediarias. Em consequencia, o caracter de diccionario, que ao começo se projectava dar a esta lista, teve de ser abandonado em muitos casos, para maior commodidade do consulente.

Aço—*Continuação.*
— para Estampagem e Fiação, Chapa de —Steel, Sheet, for Stamping and Spinning.
— para Ferramentas—Steel, Tool.
— Folha de—Steel, Sheet.
— Folha Ondulada de—Steel, Sheet, Corrugated.
— Ligas de—Steel Alloys.
— Magnetico e Electrico—Steel, Magnet and Electrical.
— para Molas—Steel, Spring.
— Nickel—Steel, Nickel.
— de Nickel Chromo—Steel, Chrome Nickel.
— para Parafusos—Screw Steel.
— Peças Especiaes de—Steel Shapes, Special.
—, Peças Prensadas de—Steel Shapes, Pressed.
— Puxado a Frio ou Laminado—Steel, Cold-Drawn or Rolled.
—, Obra Prensada de — Steel Work, Pressed.
— Siemens-Martin, Linguados de — Steel Billets, Open-Hearth.
— Siemens-Martin, Linguados de — Steel Ingots, Open-Hearth.
— em Tiras para Canos de Espingarda—Steel, Skelp.
Adornos para Calçado—Ornaments, Shoe.
Adubos—Fertilizers.
—, Espalhadores de—Fertilizer Distributors.
—, Machinas d'Espalhar—Spreaders, Manure.
Aduelas—Staves.
Adufas—Penstocks.
— de Agua—Gates, Sluice.
Aeroplano, Peças de—Aeroplane Parts.
—, Tecidos para—Aeroplane Cloths.
Afiadores de Facas, Automaticos—Grinders, Knife, Automatic.
Agendas—Books, Memorandum.
Agua Ammoniacal—Ammonia, Aqua.
—, Installações Pneumaticas para Abastecimento de—Water Supply Systems, Pneumatic.
— raz, Substitutos de—Turpentine Substitutes.
Aguas de Toilet—Waters, Toilet.
Agulhas de Machina de fazer Artigos de Malha—Needles, Knitting Machine.
— de Machina de Costura—Needles, Sewing Machine.
— para Machina de Rendar—Needles, Knitting Machine.
Alamares de Bordar—Braids, Embroidery.
Alambiques—Stills.
Alargadores e Escareadores—Counterbores and Countersinks.
Alarmas de Agua Cheia e de Falta de agua —Alarms, High and Low Water.
— de Ladrão—Burglar Alarms.
Alavancas de Ferro—Crowbars.
Alcaçuz, Simples e Preparado—Licorice, Plain and Prepared.
Alcanfor—Camphor.
Alcatrão de Carvão—Coal, Tar.
— de Madeira Dura—Tar, Hardwood.
Alcool—Alcohol.
— Desnaturado—Alcohol, Denatured.
— Industrial—Alcohol, Industrial.
— de Madeira—Alcohol, Wood.
Ale (Cerveja Ingleza)—Ale.
Aletria em Forma de Fita—Noodles.
Alfaiates—Tailors.
Alfinetes—Pins.
— de Segurança—Pins, Safety.
Algemas—Handcuffs.
Algodão Absorvente—Cotton, Absorbent.
—, Tecidos de—Cotton Twills.
—, Fazendas de, para Camisas—Cotton Shirtings.
—, Marquisettes de—Cotton Marquisettes.
—, Mercerisado, Tecidos de—Cotton Fabrics, Mercerized.
—, Pannos de Fantasia de — Cottons, Fancy.
—, Pannos de, para Lençóes—Cotton Sheetings.
— em Pasta—Cotton Batting.
—, Productos de Caroços de—Cotton Seed Products.
—, Riscado Grosso de, para Colchões—Cotton Tickings.
— Soluvel—Cotton, Soluble.
—, Tecidos Felpudos de—Cotton Fleecy Fabrics.
—, Xadrez de—Cotton Plaids.
Algodões para Bordados—Cottons, Embroidery.
— para Crochet e Obra de Malha—Cottons, Crochet and Knitting.
Alimento de Gluten—Feed, Gluten.
Alimentos Preparados—Foods, Prepared.
— Saudaveis—Health Foods.
— para Vaccas e Gallinhas—Feed, Dairy and Poultry.
Almofaças—Currycombs.
Almofadas—Pillows.
Almotolias para Machina—Oilers, Machine.
— e Tanques para Azeite—Oil Cans and Tanks.
"Aloxite" Rodas de Amolar de—"Aloxite" Grinding Wheels.
Altares, Trabalho para—Altar Work.
Alteres—Dumb Bells.
Altos Fornos de Fundição—Furnaces, Blast.
Alumen (Pedra Hume)—Alum.
Alumina, Sulphato de—Alumina, Sulphate.
Aluminio, Barra e Fundido—Aluminum, Ingot and Cast.
—, Folha de—Aluminum, Leaf.
Alvados para Brocas de Machina—Sockets, Machine Bit.
Alvaiade—Lead, White.
Alvos de Barro—Targets, Clay.
Ambulancias—Ambulances.
Ameixas Evaporadas—Prunes, Evaporated.
Amendoim, Manteiga de—Peanut Butter.
Americanas (carros leves)—Buggies.
Amido Comestivel—Starch, Edible.
— para Engommar—Starch, Laundry.
—, Removedores de—Starch Removers.
— para Tecidos—Starch, Textile.
Ammonia Anhydra—Ammonia, Anhydrous.
—, Molybdato de—Ammonia, Molybdate of.
—, Nitrato de—Ammonia, Nitrate of.
—, Tungstato de—Ammonia, Tungstate of.
Ammoniaco, Sulphato de—Ammonium Sulphate.
Ammonio, Salicylato de—Ammonium Salicylate.
—, Vanadato de—Ammonium Vanadate.
Amoladores Automaticos para Facas—Grinders, Knife, Automatic.
— para Ceifeiras e Fouces—Grinders, Mower Knife and Sickle.
— Cylindricos, Simples e Universaes—Grinders, Plain and Universal, Cylindrical.
— de Facas e Fouces—Sharpeners, Knife and Scythe.
— para Ferramentas—Grinders, Tool.
— Universaes—Grinders, Universal.

Ancepipes—Relishes.
Ancinhos para Feno, a Cavallo—Rakes, Hay (Horse).
— de Mão—Rakes, Hand.
Ancoras—Anchors.
Anesthesiar, Apparelhos de—Anaesthetizing Apparatus.
Anil de Lavanderia—Bluing, Laundry.
Anilina, Côres de, e Drogas de Tinturaria —Aniline Colors and Dyes.
Anneis de Casquinha de Ouro e Chapa de Ouro—Rings, Gold Filled and Plated.
— de Ouro—Rings, Gold.
Annunciadores, Electricos — Annunciators, Electric.
Anodios para Galvanisar a Prata—Silver Plating Anodes.
Antimonio, Oxido de—Antimony Oxide.
—, Sulphureto de—Antimony, Sulphuret of.
Antisepticos—Antiseptics.
Apanha-Moscas—Fly Traps.
Aparadores—Sideboards.
Apitos a Vapor—Whistles, Steam.
Apparelhos de Aquentar Asphalto e Alcatrão—Heaters, Asphalt and Tar.
— de Bomba—Jacks, Pump.
— de Carregar Carroças—Loaders, Wagon.
— de Chaves para Ferramentas—Jacks, Tool Wrenching.
— Cirurgicos—Surgical Appliances.
— para Copias Multiplas — Manifolding Systems.
— de Descarregar Carros de Canna d'Assucar—Unloaders, Cane Car.
— de Direcção para Automovel—Steering Gear, Automobile.
— de Direcção a Vapor—Steering Gear, Steam.
— para Fazer Medas de Feno—Stackers, Hay.
— para Fazer Medas de Palha—Stackers, Straw.
— de Impermeabilizar—Waterproofing Apparatus.
— Isoladores—Insulating Apparatus.
— de Lavar, para Fabricantes de Cerveja—Washers, Brewers'.
— de Lavrar Rodas de Esmeril—Dressers, Emery Wheel.
— de Limpar Saccos—Cleaners, Sack.
— de Limpar por meio de Vacuo—Vacuum Cleaning Appliances.
— de Mover Madeiros—Jacks, Timber.
— de Pesar e Carregar—Weighers and Loaders.
— de Puxar Tóros—Loggers.
— de Segurança para Estradas de Ferro —Safety Devices, Railway.
— de Tingir e Acabar—Dyers and Finishers.
— de Tracção—Gear, Draft.
— de Tratar o Cabello—Hair Treating Apparatus.
— para curvar Trilhos—Benders, Rail.
— de Vacuo de Aquentar—Heating Apparatus, Vacuum.
Appositos Antisepticos e Cirurgicos—Dressings, Antiseptic and Surgical.
Aqueductos—Culverts.
Aquentadores de Agua—Heaters, Water.
— para Colla—Heaters, Glue Pot.
— Electricos para Chaminé — Heaters, Fireplace, Electric.
— a Gaz para Chaminé—Heaters, Fireplace, Gas.
Aquentar Agua de Alimentação, Apparelhos de—Heaters, Feed Water.
Aquentar—*Continuação.*
— Automoveis, Apparelhos de—Heating Apparatus, Automobile.
— Carros (Bonds), Apparelhos de—Heating Apparatus, Car.
— a Gaz, Apparelhos de—Heaters, Gas.
— e Ventilar, a Vapor, Apparelhos de—Heating and Ventilating Apparatus, Steam.
Arados Automoveis—Engines, Plowing.
— para Empreiteiros—Plows, Contractors' and Grading.
— de Mão, com Assento Disco, Etc.—Plows, Hand, Sulky, Disc, Etc.
— de Motor—Plows, Motor.
— Multiplos—Plows, Gang.
—, Peças para—Plow Parts.
— Tractores—Plows, Tractor.
— a Vapor—Plows, Steam.
Arame de Aço—Wire, Steel.
— d'Aço, Varetas de—Wire Rods, Steel.
— de Aluminio, Cabos de—Wire Cables, Aluminum.
— para Annunciadores — Wire, Annunciator.
—, Apparelhos de Galvanizar—Wire Galvanizing Equipment.
—, Apparelhos de Limpar—Wire Cleaning Equipment.
— de Bronze—Wire, Bronze.
— de Bronze Phosphorado—Wire, Phosphor-Bronze.
— de Cobre—Wire, Copper.
— de Cobre, Cabos de—Wire Cables, Copper.
— em Corda e Trança—Wire, Stranded and Braided.
—, Especialidades em—Wire Specialties.
— Farpado—Wire, Barb.
— de Ferro—Wire, Iron.
— Fourdrinier—Wire, Fourdrinier.
— Galvanizado—Wire, Galvanized.
— (fio) de Iman—Wire, Magnet.
— Isolado—Wire, Insulated.
— de Latão—Wire, Brass.
— de Latão, Bronze e Bronze Phosphorado para Teoer—Wire, Weaving, Brass, Bronze and Phosphor Bronze.
— de Latão e Cobre, Varetas de—Wire Rods, Brass and Copper.
—, Listões de—Wire Lathing.
—, Molas de—Wire, Spring.
— de Nickel—Wire, Nickel.
— de Ouro e de Casquinha de Ouro—Wire, Gold and Gold Filled.
— de Platina—Wire, Platinum.
— (fio) de Prata—Wire, Silver.
— de Prata Allemã—Wire, German Silver.
—, Tecido e Rede de—Wire Cloth and Netting.
— para Velas de Inflamação—Wire, Spark Plug.
Architectonicas de Chapa Metallica, Obras —Architectural Sheet Metal Work.
Architectos e Desenhadores, Artigos para —Architects' and Draughtsmen's Supplies.
— de Installações Frigorificas—Architects, Refrigerating Plants.
Archivos para Cartas—Files, Letter.
— de Escriptorio, Inventos para—Filing Devices, Office.
Arcos de Ferro e de Aço—Hoops, Iron and Steel.
Argamassa, Caixas d'Aço para—Mortar Boxes, Steel.
Arganeos—Shackles, Marine.

Argolas para Arreios—Rings, Harness.
— de Borracha—Rings, Rubber.
— para Cortinas—Rings, Curtain.
— e Pernos para Engate—Links and Pins, Coupling.
Armadilhas para Animaes—Traps, Animal.
Armarios de Aço—Cabinets, Steel.
— de Aço—Closets, Steel.
— para Azeites (ou Oleos) de Medicão Automatica—Oil Cabinets, Self-Measuring.
— e Caixas—Cabinets and Cases.
— para Instrumentos e Medicamentos—Cabinets, Instruments and Medicine.
— Metallicos com Fechadura — Lockers, Metal.
— para Musica—Cabinets, Music.
— para Papel de Retrete—Cabinets, Toilet Paper.
— para Records de Phonographo—Cabinets, Phonograph Records.
— para Rolos de Piano Automatico—Cabinets, Piano-Player Roll.
Armas de Fôgo—Firearms.
Aros de Aço para Bicycleta e Automovel—Rims, Bicycle and Automobile (Steel).
— de Aço para Rodas—Tires, Steel.
— de Borracha Maciça—Tires, Solid Rubber.
—Pneumaticos—Tires, Pneumatic.
Arrebitadores de Pancada Rotatoria—Riveters, Rotary Blow.
Arrebitar, Machinas Hydraulicas de—Riveters, Hydraulic.
— Machinas Pneumaticas de — Riveters, Pneumatic.
—, Machinas a Vapor para—Riveters, Steam.
Arrebites para Caldeiras—Rivets, Boiler.
— de Cobre—Rivets, Copper.
— de Ferro e Aço—Rivets, Iron and Steel.
— de Latão, Argentão e Aluminio—Rivets, Brass, German Silver and Aluminum.
— Tubulares e Aguçados—Rivets, Tubular and Pronged.
Arreios—Harness.
Arroz e Productos de Arroz—Rice and Rice Products.
Arruelas de Cobre—Washers, Copper.
— de Ferro Batido e Aço—Washers, Wrought Iron and Steel.
— de Fibra Vulcanisada—Washers, Vulcanized Fibre.
— de Segurança—Washers, Lock.
Artigos Prateados — Hollow-ware, Silver Plated.
Artilheria—Ordnance.
Asbesto (Amianto), Productos de—Asbestos Products.
Ascensores, Caixas de—Cars, Elevator.
Asphalto, Installações de—Asphalt Plants.
—, Materiaes de—Asphalt Materials.
Assentadores de Navalha—Strops, Razor.
Assentos para Egreja—Seating, Church.
— de Palhinha—Rattan Seatings.
— a Prova de Fôgo, para Carros de E. de F.—Fireproof Seating for Railway Cars.
Assoprar (Ventilar) Machinas de—Engines, Blowing.
Assucar—Sugar.
— de Leite—Sugar of Milk.
— de Malt—Sugar, Malt.
— d'Uva (Glucosa)—Sugar, Grape.
— em bruto—Sugar, Raw.
Atacadores de Espartilhos e Calçado—Lacings, Corset and Shoe.
Atiçadores Mechanicos — Stokers, Mechanical.
Atlas—Atlases.
Attrição para Soprador de Areia, Materias de—Abrasives, Sand Blast.
Autobarcos—Boats, Motor.
"Autoclaves"—Autoclaves.
Automoveis—Cars, Motor.
—, Accessorios para — Automobile Accesories.
— Commerciaes Electricos — Automobiles, Commercial Electric.
— Commerciaes a Gasolina—Automobiles, Commercial Gasoline.
—, Peças de—Automobile Parts.
— para Serviço Publico — Automobiles, Public Service.
— de Turismo, Electricos — Automobiles, Pleasure, Electric.
— de Turismo, a Gasolina—Automobiles, Pleasure, Gasoline,
Aveia, Farinha de—Oatmeal.
Aventaes—Aprons.
Azas para Accumuladores—Handles, Storage Battery.
— de Bahú (Cofre)—Handles, Chest.
Azeite, Apparelhos para Refinacão de—Oil Refinery Apparatus.
— para Automoveis—Oils, Automobile.
— (e Graxa) para Eixos—Oil (and Grease), Axle.
— de Fundicão—Oils, Foundry.
— Lubrificante—Oil, Lubricating.
— de Salada ou Cozinha—Oil, Salad and Cooking.

Bacteriologicos, Apparelhos—Bacteriological Apparatus.
Bahús—Trunks.
— de Amostras—Trunks, Sample.
—, Material de Cobrir—Trunk Covering.
Baixella de Prata de Lei—Silverware, Sterling.
— Prateada—Silverware, Plated.
Bakelite—Bakelite.
Balanças, Accesorio Registrador para—Scales, Recording Attachment for.
— de Balcão de Venda—Scales, Counter.
— para Carroças—Scales, Truck.
— de Computo—Scales, Computing.
— de Estrada de Ferro—Scales, Railroad Track.
— de Mola—Scales, Spring Balance.
— de Plataforma—Scales, Platform.
Balas de Lebel—Bullets, Lebel.
Balcão, Accessorios de—Fixtures, Display.
Baldes e Celhas, Galvanizados—Pails and Buckets, Galvanized.
— e Celhas de Lata—Pails and Buckets, Tin.
— e Celhas de Madeira—Pails and Buckets, Wooden.
— de Fundição e Poço—Buckets, Foundry and Well.
— para Leite—Pails, Milk.
— de Papel—Pails, Paper.
Balões—Balloons.
Bandeiras—Banners.
—, Fazenda para—Bunting.
Bandejas de Serviço—Trays, Serving.
Banha—Lard.
—, Compostos de—Lard Compound.
Banheiras de Borracha—Bath Tubs, Rubber.
— de Ferro e Aço Esmaltado—Bath Tubs, Enameled Iron and Steel.
— de Porcelana solida—Bath Tubs, Solid Porcelain.

Banho, Accessorios para quarto de—Bath Room Fixtures.
Banhos de Chuva—Baths, Shower.
Baralhos—Cards, Playing.
Baratas, Comida de Matar—Roach Food.
Barbante d'Algodão—Twine, Cotton.
— de Canhamo—Twine, Hemp.
— de Linho—Twine, Linen.
Barbeiro, Utensilios para—Barbers' Supplies.
Barcas de Passagem, Equipamento de Caes para—Ferry House Equipment.
Bario, Productos de—Barium Products.
Barras de Commutador—Bars, Commutator.
— de União para Estrada de Ferro—Tie Bars, Railway.
Barretes de Fazenda—Caps, Cloth.
— de Malha—Caps, Knitted.
Barrilha—Soda Ash.
Barris Abatidos—Shooks, Barrel.
— de Aço—Barrels, Steel.
— de Attrito—Tumbling Barrels.
— e Cunhetes—Barrels and Kegs.
Barro, Refractario, para Panellas, e de outras especies—Clay, Fire, Pots and Other.
Bartidouros de Madeira—Scoops, Wooden.
— Metallicos—Scoops, Metal.
Baryta—Baryte.
Bastões de jogar o "Golf"—Clubs, Golf.
Batatas, Instrumentos de Recolher—Potato Diggers.
Bate-Estacas—Pile Drivers.
Batedeiras—Churns.
— de Ovos—Egg Beaters.
Batelões—Barges.
Baterias Electricas—Batteries, Electric.
— Electricas Accumuladoras — Batteries, Electric Storage.
Batoques—Bungs.
— (Rolhas) de Convez—Plugs, Deck.
Bebedouros para Gado—Fountains, Stock Watering.
Belbutina (Belbute)—Corduroy.
Beneficiadores de Café—Cleaners, Coffee.
Bengalas—Canes.
Benzina—Benzine.
—, Clarificadores de—Benzine Clarifiers.
Benzol—Benzol.
Berbequins—Braces, Bit.
Berços—Cribs.
Beterraba, Instrumentos para cultivo de—Beet Implements.
"Bevo"—"Bevo".
Bibliotheca, Equipamento de — Library Equipment.
Bicos de Folha—Spouts, Tin.
— de Gasolina—Burners Gasoline.
— de Gaz e Acetylene—Burners, Gas and Acetylene.
— de Gaz, Incandescentes—Burners, Incandescent Gas.
Bicycleta e Motocycleta, Artigos variados para—Bicycle and Motorcycle Sundries.
—, Peças de—Bicycle Parts.
Bicycletas—Bicycles.
Bigornias—Anvils.
Bilhar, Pertences de—Billiard Supplies.
Bilhetes de Ferro-viarios, Theatro, Etc.—Tickets, Railway, Theatre, Etc.
— Illustrados—Cards, Illustrated.
Bilros (Canilhas)—Bobbins.
Bisagras—Hinges and Butts.
Biscoutos—Biscuits.
Bismutho, Subnitrato—Bismuth Subnitrate.
Bisnagas—Tubes, Collapsible, Metal.
Bitolas para Vias-Ferreas—Gauges, Track.
Blindagem, Chapa de, (Couraças)—Armor Plate.
Blocos de Calçada—Blocks, Paving.
— de Cimento—Blocks, Cement.
Bobinas de Papel—Cores, Paper.
Boccas d'Agua para Incendio—Hydrants, Fire.
Bolachas—Crackers.
Bolas de Aco—Balls, Steel.
— de Bilhar—Balls, Billiard.
— para Dez Bilros—Balls, Ten Pin.
— para "Lawn-Tennis"—Balls, Tennis.
Boleas de Lança—Neck Yokes.
Bolinetes—Windlasses.
Bolo de Massa de Linhaça—Oil Cake, Linseed.
— de Massa de Milho—Oil Cake, Corn.
Bolsas de Corrente e de Malha, para Senhora—Bags, Ladies', Chain and Mesh.
— para Dinheiro—Purses, Coin.
Bomba, Cylindros de—Pump Cylinders.
— Peças Avulsas de—Pump Parts.
Bombas de Alimentação para Caldeiras—Pumps, Boiler Feed.
— para Areia—Pumps, Sand.
— Artesianas—Pumps, Artesian.
— para Automovel—Pumps, Automobile.
— para Bicycleta—Pumps, Bicycle.
— Centrifugas—Pumps, Centrifugal.
— para Cerveja—Pumps, Beer.
— de Circulação—Pumps, Circulating.
— de Diaphragma—Pumps, Diaphragm.
— Electricas—Pumps, Electric.
— para Fabrica de Gaz—Pumps, Gas Works.
— para Fabricas de Assucar—Pumps, Sugar House.
— para Gasolina—Pumps, Gasoline.
— Giratorias—Pumps, Rotary.
— Hydraulicas—Pumps, Hydraulic.
— de Incendio—Pumps, Fire.
— de Irrigação—Pumps, Irrigation.
— de Jacto—Pumps, Jet.
— de Mão—Pumps, Hand.
— Maritimas—Pumps, Marine.
—, Materiaes para—Pump Supplies.
— Mechanicas—Machinery, Pumping; *tambem* Pumps, Power.
— de Medição Automatica—Pumps, Self-Measuring.
— para Minas—Pumps, Mine.
— de Moinho de Vento—Pumps, Windmill.
— para Oleo (Azeite)—Pumps, Oil.
— Pneumaticas—Pumps, Air.
— para Poços Fundos—Pumps, Deep Well.
— Rociadoras—Pumps, Spraying.
— Triplices—Pumps, Triplex.
— de Vacuo—Pumps, Vacuum.
— a Vapor—Engines, Pumping; *tambem* Pumps, Steam.
Bombeiros, Apparelhos para—Fire Department Equipment.
Borax—Borax.
Bordados—Embroideries.
Bordar, Materiaes de—Embroidery Materials.
Borracha de Apagar—Erasers, Rubber.
—, Artigos Industriaes de—Rubber Goods, Mechanical.
—, Artigos Moldados de—Rubber Goods, Moulded.
—, Cintas de—Rubber Bands.
—, Diversos Artigos de—Rubber Sundries.
— Dura, Artigos de—Rubber Goods, Hard.
— para Pedaes—Rubbers, Pedal.
—, Pés e Mãos de — Rubber Feet and Hands.

Borracha—*Continuação.*
— Recuperada—Rubber, Reclaimed.
—, Substitutos de—Rubber Substitutes.
—, Tecido de—Rubber Cloth.
Botas e Sapatos de Borracha—Boots and Shoes, Rubber.
— e Sapatos de Lona—Boots and Shoes, Canvas.
Botes Automoveis—Boats, Motor.
— de Remar—Boats, Row.
— Submarinos—Boats, Submarine.
Botões de Composição—Buttons, Composition.
— de Fazenda—Buttons, Fabric.
— de Madeira e Marfim—Buttons, Wood and Ivory.
— de Madreperola—Buttons, Pearl.
— de Marfim vegetal—Buttons, Vegetable Ivory.
— de Metal—Buttons, Metal.
— de Mola—Fasteners, Snap.
— de Ouro—Buttons, Gold.
— de Pressão—Buttons, Push.
Bouillion, Cubos de—Bouillion Cubes.
Bracadeiras para Baldes—Clasps, Pail.
— para Mangueiras—Clamps, Hose.
Braços de Aço e Medeira para Cavallos—Hames, Steel and Wood.
— para Candieiros—Brackets, Lamp.
— de Ferro para cavallos—Hames, Iron.
— de Postes, Creosotados — Cross Arms, Creosoted.
Branco de Hespanha (Greda)—Whiting.
Brassières—Brassières.
Brazeiros—Furnaces, Brazing.
— de Apparelhador—Pots, Fire.
Brinquedos de Borracha—Toys, Rubber.
— Electricos—Toys, Electric.
— de Madeira—Toys, Wooden.
— Mechanicos—Toys, Mechanical.
— de Metal—Toys, Metal.
Briquettes—Briquets.
Bristol, Cartão fino—Bristol Board.
Britadeira, Peças de—Crusher Parts.
Brocas Automaticas de Mão—Drills, Automatic Hand.
— e Cunhos—Taps and Dies.
— Expansivas—Bits, Expansion.
— de Ferreiro—Drills, Blacksmiths'.
— de Mão—Drills, Hand.
— para Rocha—Drills, Rock.
— de Rosca—Drills, Twist.
— "Star"—Drills, Star.
— para Trilhos—Drills, Track.
— de Verrumão—Bits, Auger.
Bromuretos—Bromides.
Bronze Especial—Bronze, Special.
— em Folha—Brass, Sheet.
—, Obras de Arte de—Bronze Art Work.
— Ornamental, Obra de—Brass Work, Ornamental.
— Phosphorizado—Bronze, Phosphor.
—, Pós de—Bronze Powders.
— "Tobin"—Bronze, Tobin.
Bronzear, Liquidos de—Bronzing Liquids.
Buchas para Rodas de Carroça—Skeins, Wagon.
Bufetes—Sideboards.
Bureis—Kerseys.
Bussolas—Compasses.

Cabeças de Educção—Exhaust Heads.
Cabedal para Solas—Leather, Sole.
Cabello annelado—Hair, Curled.
—, Ganchos para—Hairpins.
— Riçado—Hair, Curled.
Cabellos, Adornos para os — Hair Ornaments.
Cabides—Costumers; *tambem* Hooks, Hat and Coat.
Cabo de Arame (de Bronze Phosphorado) —Rope, Wire (Phosphor-Bronze).
— de Arame de Cobre—Rope, Copper Wire.
Cabos Aereos de Transporte—Cableways.
— Electricos Blindados ou Isolados—Cable, Armored or Insulated Electric.
— de Escova—Handles, Brush.
— de Ferramentas—Handles, Tool.
— de Perfurador e de Transmissão—Cables, Drilling and Transmission.
— de Verrumão—Handles, Auger.
Cabrestantes—Capstans.
Caçambas de Elevador e Conductor—Buckets, Elevator and Conveyor.
Cacao—Cocoa.
Cachenezes de Seda—Mufflers, Silk.
Cachimbos, Ponteiras, Boquilhas e Roscas de—Pipe Bits and Screws.
Caços e Aquentadores de Grude — Glue Pots and Heaters.
— de Fundição—Ladles, Melting.
Cadeira, Assentos de Fibra para—Chair Seats, Fibre.
Cadeira-retrete—Commodes.
Cadeiras—Chairs.
— de Assambléa—Chairs, Assembly.
— de Barbeiro—Chairs, Barbers'.
— de Dactylographo—Chairs, Typewriter.
— de Dentista—Chairs, Dental.
— Dobradiças—Chairs, Folding.
— de Doente—Chairs, Invalid.
— de Metal—Chairs, Metal.
— "Morris"—Chairs, Morris.
— de Theatro—Chairs, Theatre.
Cadinhos de Plombagina—Crucibles, Graphite.
Cadmio—Cadmium.
Café—Coffee.
Cafeiteiras Coadoras—Percolators, Coffee.
Caixas Abatidas—Shooks, Box.
— de Aço para Armazens, Etc.—Boxes, Storage, Etc., Steel.
— de Aço para Garrafas — Cases, Steel, Bottle.
— de Automovel—Bodies, Automobile.
— e Canastras para Garrafas—Boxes and Crates, Bottle.
— de Cantos Travados—Boxes, Lock-Corner.
— de Charutos e Fumo—Boxes, Cigar and Tobacco.
— para Collarinhos e Punhos—Boxes, Collar and Cuff.
— de Correio—Letter Boxes.
— para Dinheiro (Cofres)—Boxes, Cash.
— de Emballagem—Boxes, Packing.
— com Fechadura—Boxes, Lock.
— de Fibra para Remessas—Boxes, Shipping, Fibre.
— de Fibra Vulcanizada—Boxes, Vulcanized Fibre.
— de Fosforos—Boxes, Match.
— de Graxa para Carros de E. de F.—Boxes, Car Journal.
—, Instrumentos de Abrir—Box Openers.
— de Lata—Boxes, Tin.
— de Madeira Rija—Boxes, Hardwood.
— de Musica—Music Boxes.
— de Papel dobraveis — Boxes, Folding Paper.
— de Papel Enrugado—Boxes, Corrugated Paper.
— de Papelão de Palha — Boxes, Strawboard.
— para Pillulas e Pós—Boxes, Pill and Powder.

Caixas—*Continuacão.*
— Registadoras para Dinheiro—Registers, Cash.
— de Segurança (Cofres Fórtes)—Boxes, Safe Deposit.
— de União de Cabos Electricos—Boxes, Cable Junction.
Caixinhas de Cartão—Cartons.
Caixões para guardar Carvão, Grãos, etc.—Bins, Coal, Grain, etc.
— Funebres (Ataudes)—Coffins and Caskets.
Cal—Lime.
— pelos usos Chimicos—Limes, Chemical.
Calafeto, Materiaes de—Calking Materials.
Calandras á Mão ou Força Motriz—Mangles, Hand and Power.
Calçado—Boots and Shoes.
— de Borracha—Boots and Shoes, Rubber.
— de Borracha e de Lã—Footwear, Rubber and Woolen.
—, Fazendas para—Shoe Cloths.
— de Feltro—Shoes, Felt.
—, Materiaes para Fabrica de—Shoe Factory Supplies.
—, Materiaes para Fabricantes de—Shoemakers' Findings.
Calças, Estambres para—Trouserings, Worsted.
— de Homem e Rapaz—Paints, Men's and Boys'.
Calcio, Chlorureto e Fluorureto de—Calcium Chloride and Fluoride.
—, Productos de—Calcium Products.
Calculadores Mechanicos — Machines, Calculating.
Caldeiras de Aquecer Casas — Boilers, House Heating.
— para Assucar—Kettles, Sugar.
—, Cabeças de Flange para—Boiler Heads, Flanged.
— de Camisa de Vapor—Kettles, Steam Jacketed.
—, Capas de Aço para — Boiler Casing, Steel.
— de Cobre—Boilers, Copper.
—, Compostos para Limpar—Boiler Compound.
— de Derretimento—Kettles, Melting.
— para Estufas—Boilers, Greenhouse.
— para Fogões—Boilers, Range.
—, Fornalhas para—Boilers, Fire Box.
— de Galvanização—Kettles, Galvanizing.
—, Instrumentos Pneumaticos de Tirar Incrustações das — Scalers, Pneumatic Boiler.
— Maritimas—Boilers, Marine.
— Multitubulares—Boilers, Tubular.
— Multitubulares, de Chamma Reversa de Cornoalhes, etc.—Boilers, Flues, Return Flue, Cornish, etc.
— de Petroleo—Boilers, Petroleum.
— Portateis—Boilers, Portable.
— para Sabão—Kettles, Soap.
— Semi-fixas—Boilers, Portable.
—, Tirantes de Aço para—Boiler Braces, Steel.
— de Tubos de Agua — Boilers, Water Tube.
Caldeireiros—Coppersmiths.
Calendarios—Calendars.
Calhas—Flumes.
Calibradores de Medir — Gauges, Measuring.
Calomelanos—Calomel.
Caloriferos — Furnaces, House Heating; *tambem* Radiators, Steam and Hot Water.

Caloriferos—*Continuação.*
— a Agua Quente e a Vapor—Heaters, Hot Water and Steam.
— Electricos—Heaters, Electric.
— para Hortas—Orchard Heaters.
Calorimetros—Calorimeters.
Camadas para Paredes—Coatings, Wall.
Camaras d'Ar—Tubes, Inner.
— Photographicas—Cameras.
— Photographicas—Kodaks.
— de Seccar a Vapor—Dry Rooms, Steam.
Camas dobradiças—Beds, Folding.
— de Hospital—Beds, Hospital.
— para Invalidos—Beds, Invalid.
— de Latão e de Ferro—Bedsteads, Brass and Iron.
— de Molas—Beds, Spring.
Cambraia de Algodão—Cotton Lawns.
Cambraias — Cambrics; *tambem* Cotton Chambrays.
Cames—Cams.
Camiões a Accumuladores—Trucks, Storage Battery.
— com Motor a Petroleo Distillado — Trucks, Distillate Motor.
Camisas, Brancas e de Phantasia—Shirts, White and Fancy.
— de Noute—Night Robes.
—, Sedas para—Silk, Shirtings.
Campainhas de Alarma de Incendio—Bells, Fire.
— de Bicycleta—Bells, Bicycle.
— de Carro—Bells, Car.
— Electricas—Bells, Electric.
— de Porta—Bells, Door.
Camphora—Camphor.
Canastras de Lona—Hampers, Canvas.
Cancellas Metallicas—Gates, Metal.
Candieiros de Acetylene—Lamps, Acetylene.
— de Gaz—Lamps, Gas.
— para Gaz e Electricidade—Fixtures, Gas and Electric.
— para Gaz Incandescente—Fixtures, Incandescent Gas.
— a Gazolina para Rua—Lamps, Street, Gasoline.
—, Globos e Abat-Jours para — Lamp Globes and Shades.
— de Latão—Lamps, Brass.
— e Mangas de Gaz Incandescente—Lamps and Mantles, Incandescent Gas.
— Portateis de Gaz e Electricos—Portables, Gas and Electric.
— de Rua—Lamps, Street.
— de Rua, Columnas de Ferro Fundido para—Lamp Posts, Cast Iron.
— de Vidro—Lamps, Glass.
Canetas—Penholders.
Canetas-tinteiro—Pens, Fountain.
Canhamaço (Serapilheira)—Burlap.
—, Tapeçaria de—Burlap, Wall Covering.
Canhões para Hiates—Cannon, Yacht.
— de Tiro Rapido—Guns, Machine.
Canivetes—Knives, Pocket.
Cannas de Pescar, de Aço—Fishing Rods, Steel.
— de Pescar, Pertences para—Fishing Rod Mountings.
Canos de Chaminé—Flues, Chimney.
Capachos de Aço—Mats, Steel.
— e Esteiras de Fibra de Coco—Mats and Matting, Cocoa.
— e Tapetes de Borracha—Mats and Matting, Rubber.
Caparrosa—Copperas.
Capas Impermeaveis—Coats, Rain.
— para Rodas Polidoras—Covers, Polishing Wheel.

Capsulas fulminantes e Apparelhos—Blasting Caps and Apparatus.
— de Gelatina—Capsules, Gelatine.
Carbonatar, Apparelhos de — Carbonating Apparatus.
Carbonato de Chumbo—Lead, White.
Carborundum, Papel e Panno de—Carborundum Paper and Cloth.
Carburetadores—Carburetors.
Carbureto de Calcio—Calcium Carbide.
Carda, Bicos de—Card Pins.
Cardaduras—Noils.
Cardas para Algodão—Cards, Cotton.
—, Forros de, com Bicos—Card Clothing.
— "Jacquard"—Jacquard Cards.
Carimbos de Datar e Numerar—Stamps, Dating and Numbering.
Carlingas de Tecto para carros—Carlines.
Carne em Latas—Meats, Canned.
— Picada—Mince Meat.
—, Preparadores de—Beef Packers.
— de Vacca, Productos de—Beef Products.
Carneiros Hydraulicos—Rams, Hydraulic.
Carniceiro, Fuzis de—Steels, Butchers'.
Carregadores de Feno—Hay Loaders.
Carretas de Virar—Carts, Dump.
Carreteis—Spools.
— para Estendedouro—Reels, Clothes Line.
— de Fio—Reels, Yarn.
— para Fitas—Blocks, Ribbon.
— para Mangueiras—Reels, Hose.
Carretes de Laminador—Pinions, Rolling Mill.
— de Motor para Carros—Pinions, Car Motor.
Carrinhos de Creança—Carriages, Baby; *tambem* Go-Carts.
— de Creança, Peças para — Carriage Parts, Baby.
— de Mão—Carts, Hand; *tambem* Wheelbarrows.
— de Mão (para Bagagem, etc.)—Barrows (for Baggage, etc.).
— de Mão e zorras—Cars, Hand and Push.
— de Servir Chá—Tea Wagons.
Carris Portateis—Track, Portable.
Carro, Assentos de—Car Seats.
Carroças d'Elevação—Trucks, Elevating.
— para Empreiteiros e Carga — Wagons, Contractors' and Freight.
Carros de Aterro—Cars, Dump.
— de reboque para Automovel—Trailers, Automobile.
— para Caminhos de Ferro Industriaes—Cars, Industrial Railway.
— de Carga—Cars, Freight.
— para Carvão—Cars, Coal.
— de Construcção e Inspecção—Cars, Railway Construction and Inspection.
— Electricos—Cars, Electric.
— para Empregados de Trem de Carga—Cars, Caboose.
— de Equipagem—Cars, Baggage.
— de Estender Pedra — Wagons, Stone Spreading.
— de Expresso e Entrega de Encommendas—Wagons, Express and Delivery.
—, Extremidades de—Car Ends.
— de Fazenda—Cars, Plantation.
— de Ferro-carril (Bonds, Tramways, etc.) —Cars, Street.
— Frigorificos—Cars, Refrigerator.
— Funebres—Hearses.
— para Gado—Cars, Stock.
— "Gondola"—Cars, Gondola.
—, Guarnições de Latão para—Car Trimmings, Brass.

Carros—*Continuação.*
— de Guindaste—Cars, Derrick.
— de Mineração—Cars, Mining.
— de Motocycleta—Cycle Cars.
— de Passageiros—Cars, Passenger.
— Postaes—Cars, Mail.
— Regadores—Wagons, Sprinkling.
— Regadores Electricos — Cars, Electric Sprinkler.
— de Soccorro (E. de F.)—Cars, Wrecking.
— de Tanque—Cars, Tank.
— para Toros—Cars, Logging.
— de Virar—Wagons, Dump.
Carrousels—Carrousels; *tambem* Merry-Go-Rounds.
Carruagem, Guarda-Lamas de Couro para—Carriage Dashes, Leather.
—, Peças para—Carriage Parts.
Carruagens—Carriages.
—, Accessorios de—Carriage Accessories.
Cartão de Calçado—Board, Shoe.
— para Noticias—Board, News.
— e Papelão—Cardboard.
— de Prensa—Press Boards.
Cartão-couro—Board, Leather.
Cartas de Jogar—Cards, Playing.
Cartazes—Posters; *tambem* Hangers, Advertising.
Cartões para Gesso—Plaster Boards.
— Illustrados—Cards, Illustrated.
—, Indices de—Card Indexes.
— de Prensa—Press Boards.
Cartonagens—Cartons.
Cartuchos sem Carga—Cartridge Shells.
—, Discos para—Cartridge Discs.
Carvão Anthracite—Coal, Anthracite.
— Bituminoso—Coal, Bituminous.
— para Gaz—Coal, Gas.
— de Lenha—Charcoal.
Carvões para Luzes de Arco Voltaico—Carbons, Electric Arc Light.
Casa, Artigos de (em Geral)—House Furnishing Goods.
—, Numeros de—House Numbers.
Casacos para Homem—Coats, Men's.
— de Malha—Sweaters.
Casas Fortes—Safes and Vaults.
— Fortes à Prova de Roubo—Vaults, Burglar Proof.
— Portateis de Aço—Houses, Portable, Steel.
— Portateis de Madeira—Houses, Portable, Wooden.
Casimiras—Cassimeres.
Castiçaes de Metal—Candlesticks, Metal.
Catres—Cots.
Cavadeiras de Rêgos—Diggers, Trench.
— de Valletas para Estradas de Ferro—Ditchers, Railroad.
— a Vapor e Electricas—Shovels, Steam or Electric.
Cavadores de Covas para Postes—Diggers, Post Hole.
Cavallariça, Accessorios de—Fixtures, Stable.
Cavalletes de Serrador—Saw Bucks.
Cavilhas escateladas—Bolts, Shackle.
— de Expansão—Bolts, Expansion.
— de Fogão e de Aro de Roda—Bolts, Stove and Tire.
— e Parafusos para Trilhos—Bolts, Truck.
— e Porcas—Bolts and Nuts.
Ceifar e Engavelar, Machinas de—Reapers and Binders.
Ceifeiras de Gramma—Mowers.
— de Grãos—Harvesters, Grain.

Ceifeiras—*Continuação.*
— para Jardim—Mowers, Lawn.
— de Jardim, Movidas a Motor—Mowers, Lawn, Motor Driven.
— de Milho—Harvesters, Corn (Maize).
Celhas de Madeira—Tubs, Wooden.
Cellas d'Aço e Obra para Carcere—Jail and Cell Work, Steel.
Celluloide—Celluloid.
Cenotaphios—Monuments, Bronze.
Cera de Abelha—Beeswax.
— para Ferros d'Engommar—Wax, Ironing.
— para Pavimentos—Wax, Floor.
Ceramica, Obras d'Arte—Art Goods, Ceramic.
Cercas de Aço—Fences, Steel.
— de Ferro Foriado—Fences, Wrought Iron.
Cereaes Preparados—Cereals, Prepared.
Cereal, Commerciantes de—Grain Merchants.
Cerveja—Beer.
Cervejas Pretas Inglezas—Stout and Porter.
Cervejeiro, Rolão de—Brewers' Grits.
Cestos para Fabricas—Baskets, Mill.
— de Fibra—Baskets, Fibre.
— de Lona—Baskets, Canvas.
Chafarizes—Fountains, Drinking.
Chaminé, Guarnições para — Fireplace Trimmings.
Chaminés de Candieiro—Chimneys, Lamp.
— de Ferro e Aço—Smokestacks, Iron and Steel.
— de Fogão—Pipe, Stove.
—, Remates e Corrôas de—Pots, Flower, Chimney, etc.
Chapa Metallica, Estampagem em—Sheet Metal Stamping.
— Metallica. Obra de—Sheet and Plate Metal Work.
Chapas de Cozer Bolos—Griddles.
— Curvadas—Plates, Buckled.
— de Fazer Relevos em Couro—Plates, Embossing, Leather.
— para Gravura—Plates, Engraving.
— de Metal para Nome—Plates, Metal, Name.
— Photographicas — Dry Plates, Photographic.
— para Pinas de Roda—Plates, Felloe.
— de Rasto, Apparelhos de Curvar—Tire Benders.
— de União (para Estrada de Ferro)—Tie Plates, Railway.
Chapéos de Feltro—Hats, Felt.
— Impermeaveis (Oleados)—Hats, Waterproof (Oiled).
— de Lã—Hats, Wool.
— de Palha—Hats, Straw.
—, Panno para—Hats, Cloth.
— de Seda e Claques—Hats, Silk and Opera.
— de Senhora e Creança—Hats, Women's and Children's.
—, Tiras de Couro para Interior de—Hat Sweat-Bands.
Chapeus de Chuva—Umbrellas.
— de Sol—Parasols.
Charneiras Universaes—Joints, Universal.
Charruas Polyfolias—Plows, Gang.
— a Vapor—Plows, Steam.
Charutos—Cigars.
Chás—Teas.
Chaves e Chaves de Palhetão Liso—Keys and Key Blanks.
— Inglezas de Corrente—Wrenches, Chain.
— Inglezas para Mechanico — Wrenches, Mechanics'.
— de Parafuso—Screwdrivers.
Chaves—*Continuação.*
Chavetas de Machina—Keys, Machine.
—, Machinas de Cortar Escateis para—Keyseaters.
— de Mola—Cotters and Keys, Spring.
Cheques—Checks.
—, Machinas de Escrever—Check Writer.
Cheviotes de Algodão—Cotton Cheviots.
— de Lã—Woolen Cheviots.
Chifres—Horns.
Chimicos e Ensaiadores de Metaes, Materiaes para—Chemists' and Assayers' Supplies.
—, Productos—Chemicals.
Chinelas—Slippers.
Chitas de Algodão—Cotton Prints.
Chloroformio—Chloroform.
Chocolates—Chocolates.
Chromo—Chrome.
Chumaceiras—Pillow Blocks.
— de Bronze—Bearings, Bronze.
— para Eixos de Carro (E. de F.)—Bearings, Car Journal.
— para Eixos de Transmissão—Bearings, Shaft.
— de Encosta de Espheras—Bearings, Ball Thrust.
— de Espheras—Bearings, Ball.
— (Mancaes) de Graphite e Bronze—Bearings, Graphite and Bronze.
— para Lados de Carro—Bearings, Car Side.
— para Machinas a Vapor—Bearings, Engine.
— de Madeira—Bearings, Wood.
— para Motor—Bearings, Motor.
— de Rolos—Bearings, Roller.
Chumaços de Arreios—Pads, Harness.
Chumbaria, Artigos de — Plumbers, Supplies.
Chumbo, Arseniato de—Lead, Arsenate of.
— em Chapa e em Linguados—Lead, Sheet and Pig.
— de Munição—Shot.
Cigarros—Cigarettes.
—, Pontas para—Cigarette Tips.
Cimento Armado, Materiaes para — Concrete Reinforcing Materials.
— de Borracha—Cement, Rubber.
— para Caldeiras—Cement, Boiler.
— para Correias de Couro — Cement, Leather Belt.
— para Ferro e Aço—Cement, Iron and Steel.
— para Fornalhas e Fogões—Cement, Furnace and Stove.
— Hydraulico—Cement, Hydraulic.
— Portland—Cement, Portland.
— para Prateiros—Cement, Silversmiths'.
— para Telhado—Cement, Roofing.
Cinematographo, Pelliculas para—Films, Motion Picture.
Cinematographos, Apparelhos para—Moving Picture Apparatus.
Cintos de Couro—Belts, Leather.
Claraboias—Skylights.
— para Pavimentos—Lights, Sidewalk.
Clavinas—Rifles.
Coadores de Entrada—Strainers, Intake.
— para Fabricantes de Cerveja—Strainers, Brewers'.
Coaltar—Coal Tar.
—, Productos de—Coal Tar Products.
Cobertores de Algodão—Blankets, Cotton.
— d'Algodão, Pennugem e Lã — Quilts, Cotton, Down and Wool.
— de Borracha—Blankets, Rubber.
— de Feltro—Blankets, Felt.

Cobertores—*Continuação.*
— de Lã—Blankets, Woolen.
— de Lã e Algodão Misturados—Blankets, Cotton and Wool Mixed.
Cobertura de Carros de E. de F.—Roofing, Car.
—de Ferro e Aço—Roofing, Iron and Steel.
— de Folha Chumbada—Roofing, Terne Plate.
—, Material Preparado para—Roofing, Prepared.
Cobre Electrolytico—Copper, Electrolytic.
— em Folha—Copper, Sheet.
— de Fundição—Copper, Casting.
— de Fundição em Linguados—Copper, Ingot Casting.
— de Manganez—Copper, Manganese.
—, Nitrato de—Copper Nitrate.
— Phosphorado—Phosphorized, Copper.
— de Silicio—Copper, Silicon.
—, Sulphato de—Copper Sulphate.
—, Varetas de—Copper Rods.
Cocaina—Cocaine.
Coches de Aço para Tijolos—Hods, Brick, Steel.
Codeina—Codeine.
Cofres de Segurança—Safes and Vaults.
Coke (Carvão Destillado)—Coke.
— Metallurgico—Coke, Metallurgical.
— de Petroleo—Coke, Petroleum.
Colchas de Cama—Bedspreads.
Colchetes—Hooks and Eyes.
Colchões de Algodão, Feltro de Lã, etc.—Mattresses, Cotton, Felt Wool, etc.
— d'Arame—Mattresses, Wire.
—, Enchimento para — Mattress Shoddy (Filling).
Colgaduras de Papel—Paper Hangings.
— para Parede—Hangings, Wall.
Colla—Glue.
Collarinhos de Linho—Collars, Linen.
— e Punhos de Celluloide—Collars and Cuffs, Celluloid.
Colleiras (braços) de Aço e Madeira—Hames, Steel and Wood.
— de Cavallo—Collars, Horse.
— (braços) de Ferro—Hames, Iron.
Colletes (vêr Espartilhos)—Corsets.
Colmêas—Hives, Bee.
Colonia, Agua de—Colognes.
Columnas de Ferro—Columns, Iron.
— de Madeira—Columns, Wood.
Combustivel para Aquentadores de Automovel—Fuel for Automobile Heaters.
Commutadores—Commutators.
— Electricos—Switches, Electrical.
Compasso de Vara, Pontas de—Trammel Points.
Comportas—Lock Gates.
Compostos Impermeabilisantes—Waterproofing Compounds.
— de Varrer—Sweeping Compound.
Compotas, Doces e Geleias — Preserves, Jams and Jellies.
Compressores de Acetylene—Compressors, Acetylene.
— de Ammoniaco—Compressors, Ammonia.
— de Ar—Compressors, Air.
— de Gaz—Compressors, Gas.
Concentradores de Minerio—Concentrators, Ore.
Conchas de Fundição—Ladles, Foundry.
Concreto (Formigão), Apparelhos de Misturar—Mixers, Concrete.
—, Entremeios de—Concrete Inserts.
—, Moldes para—Concrete Forms.
—, Revestimento de—Concrete Facing.
Condensadores para Fabrica de Gaz—Condensers, Gas Works.
— de Vapor—Condensers, Steam.
Conductores de Cabo e Correia—Conveyors, Cable and Belt.
— de Correia—Belting, Conveyor.
— a Correntes de Transmissão—Conveyors, Link Belt.
— de Dinheiro—Carriers, Cash.
— Espiraes de Aço—Conveyors, Steel Spiral.
— de Pacotes—Carriers, Parcel.
— Pneumaticos—Conveyors, Pneumatic.
— de Recados—Carriers, Message.
— de Saccos de Correio—Conveyors, Mail Bag.
Conductos Creosotados—Conduits, Creosoted.
— Electricos—Conduits, Electrical.
— de Esgotto de Barro Vidrado—Tile, Drain, Vitrified.
Confeitaria (vêr Doces)—Confectionery.
Connexões para Eixos de Transmissão—Couplings, Shaft.
Conservas, Equipamento para fabricantes de—Canners' Equipment.
— em Latas—Canned Goods.
— de Vinagre—Pickles.
Constructores de Alicerces—Constructors, Foundation.
—de Canos Subterraneos — Constructors, Conduit Underground.
— de Docas, Obras de Porto, etc.—Constructors, Dock, Harbor, etc.
— de Edificios—Constructors, Building.
— de Elevadores de Cereal—Constructors, Grain Elevator.
— de Esgotos—Constructors, Sewer.
— de Estradas de Ferro—Constructors, Railroad.
— de Installações Hydro-Electricas—Constructors, Hydro-Electric Plants.
— de Pontes—Constructors, Bridge.
— de Rêde Telephonica — Constructors, Telephone System.
— de Tunneis e Caminhos Subterraneos—Constructors, Tunnel and Subway.
Contadores de Agua—Meters, Water.
— de Ar—Meters, Air.
— de Corrente (para Corrente d'Agua)—Meters, Current (for Stream Gaging).
— para Gasolina e Combustivel de Petroleo—Meters, Gasoline and Fuel Oil.
— de Gaz—Meters, Gas.
— de Mão—Counters, Hand Tally.
— de Revoluções—Counters, Revolution.
Contrafortes de Calçado—Counters, Boot and Shoe.
Contrapesos para Caixilhos de Janella—Weights, Sash.
Convertedores de Aço—Converters, Steel.
— de Fazendas de Algodão — Converters, Cotton Goods.
Convez de Navio, Material para—Decking, Ship.
Copiadores de Cartas—Books, Copying.
Copos de Escorvar—Cups, Priming.
— de Oleo—Oil Cups.
— sem Pé—Tumblers, Glass.
— Sanitarios de beber — Cups, Sanitary Drinking.
Coradouros—Bleacheries.
Corda para Caixilhos de Janella — Cord, Sash.
— de Couro Crú—Rope, Rawhide.
Cordas para Instrumentos de Musica—Strings, Musical.

Cordoalha de Algodão—Cordage, Cotton.
— de Arame—Cordage, Wire.
— de Canhamo e Sisal—Cordage, Hemp and Sisal.
— de Juta—Cordage, Jute.
Cordões de Calçado, Ponteiras para—Tips, Shoe Lace.
Côres para Argamassa—Colors, Mortar.
— Ceramicas—Colors, Ceramic.
— Seccas—Colors, Dry.
Cornijas de Folha de Metal — Cornices, Sheet Metal.
Coronhas de Espingarda—Gun Stocks.
Correame de Linho—Belting, Flax.
—, Roliço—Belting, Round.
Correarias, Artigos para—Saddlery.
Corrediças para Ganchos de Pendurar Portas—Track, Door Hanger.
Correias, Apparelhos de esticar—Belt Tighteners.
—, Atilhos de Couro para—Belt Lacing, Leather.
— de Balata—Belting, Balata.
— de Borracha—Belting, Rubber.
— de Couro—Belting, Leather; *tambem* Straps, Leather.
— Elasticas e Não-Elasticas—Belts, Elastic and Non-Elastic.
— de Lona—Belting, Canvas.
— de Pello de Camello—Belting, "Camel" Hair.
—, Preventivo contro escorregadura de—Belt Slipping Preventive.
— de Tear—Straps, Loom.
Correio, Material para Casas de — Post Office Equipment.
Correntes (Cadeias)—Chains.
— de Arame—Chains, Wire.
— de Automovel—Chains, Automobile.
— para Carretes de Transmissão—Chains, Sprocket.
— de Casquinha de Ouro e Folheadas de Ouro—Chains, Gold-Filled and Plated.
— de Gazista e Apparelhador e de Segurança—Chain, Jack and Safety.
— de Ouro e Platina—Chains, Gold and Platinum.
—, Peças para—Chain Parts.
— para Pneumaticos—Chains, Tire.
— de Transmissão—Belting, Link-Chain.
Corrimões de Ferro—Railings, Iron.
— de Madeira para Egreja, Palacios de Justiça, etc.—Railings, Wooden, for Church, Court House, etc.
Corta-Correntes—Circuit Breakers.
Corta-Pães—Cutters, Bread.
Corta-Papeis—Cutters, Paper.
Corta-Queijo—Cutters, Cheese.
Corta-Vidros—Cutters, Glass.
Cortadores de Arame e de Rebarbas de Fundição—Cutters, Wire and Sprue.
— de Barras, Brocas, etc.—Cutters, Bar, Bit, etc.
— de Carvão—Cutters, Coal.
— de Forragem e Ensilagem — Cutters, Feed and Ensilage.
— de Panno—Cutters, Cloth.
— de Restolho—Cutters, Stalk.
— de Tijolos—Cutters, Brick.
Cortinas, Accessorios de—Curtain Fixtures.
— de Carro de E. de F. e Carruagem—Curtains, Carriage and Railway Car.
— para Carruagem, Accessorios de—Curtain Fixtures, Carriage.
—, Pertences de, para Carros d'Estrada de Ferro—Curtain Fixtures, Railway Car.
— de Renda—Curtains, Lace.
Cortinas—*Continuação.*
— de Seda—Curtains, Silk.
— de Tapeçaria—Curtains, Tapestry.
Cosmeticos—Cosmetics.
Costumes e Roupões para Senhora—Costumes and Wraps, Women's.
Couro para Arreios e Carruagens—Leather, Harness and Carriage.
—, Artigos Industriaes de—Leather Goods, Mechanical.
— para Atilhos e Pontos para Correias—Lace Leather.
— para Automoveis—Leather, Automobile.
— de Bezerro—Leather, Calf.
— para Carruagem (Marroquim)—Leather, Morrocco, for Carriages.
— para Correame—Leather for Belting.
— Cru, Pedaços de—Rawhide Blanks.
— de Encadernador — Leather, Bookbinders'.
— Envernizado e Esmaltado—Leather, Patent and Enameled.
— de Grão, Acamurçado e Folheado—Leather, Grain, Buff and Split.
— Hydraulico e para Valvulas—Leather, Hydraulic and Valve.
— Imitado—Leather, Imitation.
— para Mobilia—Leather, Furniture.
—, Obras d'arte de—Art Goods, Leather.
—, Pelle de phoca e de phantasia—Leather, Sealskin and Fancy.
—, Pellica Lustrada e Marroquim — Leather, Glazed Kid and Morrocco.
— de Poldro—Leather, Colt.
— de Polir—Leather, Polishing.
Couros—Hides.
— Pellica, Cabra, Kangaró e Carneira—Leather, Kid, Goat, Kangaroo and Sheep.
Coxins para Dar Tinta a Carimbos—Pads, Rubber Stamp.
— Pneumaticos—Cushions, Air.
Cozinha, Equipamento de, para Hotel e Restaurante — Kitchen Equipment, Hotel and Restaurant.
Cozinhas de Campo—Kitchens, Field.
Cravos de Ferradura—Nails, Horseshoe.
Crayons—Crayons.
Crematorios de Lixo—Incinerators, Garbage.
Cremor de Tartaro—Cream of Tartar.
Creosote—Creosote.
Crivos para Carvão—Screens, Coal.
— Mechanicos—Machinery, Screening.
— de Metal Furado—Screens, Perforated Metal.
Cubas de Madeira—Tubs, Wooden.
— de Porcelana para Lavanderia—Tubs, Laundry, Porcelain.
Cultivadores de Mão—Cultivators, Hand.
— de Tracção Animal—Cultivators, Horse.
Cunhas de Aço—Wedges, Steel.
— e Chavetas—Cotters and Keys.
Cunhetes d'Aço—Kegs, Steel.
Cunhos Automaticos—Dies, Automatic.
—, Cabeças de—Heads, Die.
—, Entalhadura de—Dies, Cutting.
— de Estampagem e Formação—Dies, Stamping and Forming.
Cupro-Nickel—Cupro-Nickel.
Cupro-Vanadio—Cupro-Vanadium.
Cutelaria—Cutlery.
Cyanureto Metallico—Cyanide, Metallic.
Cyclometros—Cyclometers.
Cylindros de Aço—Cylinders, Steel.
— de Curvar Chapas Metallicas—Rolls, Plate Bending.
— de Ferro Acerado—Rolls, Chilled.

Damascos de Algodão—Cotton Damask.
Debruns de Algodão—Bindings, Cotton.
— de Seda—Bindings, Silk.
Debulhadeiras—Threshers.
— para Arroz—Threshers, Rice.
— para Feijão—Threshers, Bean.
—, Pertences e Accessorios para—Thresher Attachments and Supplies.
Debulhadores e Descamisadores de Milho—Shellers and Huskers, Corn.
Decalcomania—Decalcomania.
Decoradores, Tecidos para — Decorators' Fabrics.
Dedaes para Costura—Thimbles, Sewing.
Defumadores de Cortiço d'Abelhas—Smokers, Hive.
Degraus, Superficies de Segurança para—Tread, Safety.
Denims de Algodão—Cotton Denims.
Dentes, Artificaes—Teeth, Artificial.
— para Machinas Debulhadoras — Teeth, Threshing Machine.
Dentifricios—Dentifrice.
Dentista, Artigos de—Dental Supplies.
Dependuradores de Cabo—Hangers, Cable.
Depositos de Carvão—Pockets, Coal Storage.
— de Estopas Oleosas—Cans, Oily Waste.
— de Gasolina—Tanks, Gasoline Storage.
Desbastadores Portateis para Trilhos — Grinders, Portable, Rail.
Descanços para Garrafas—Racks, Bottle.
Descaroçadores e Descascadores de Frutas —Corers and Parers, Fruit.
Descarregadores de Carros e Carroças—Dumps, Car and Cart.
Descascadores de caroços d'Algodão—Hullers, Cotton.
— de Café a Arroz—Hullers, Coffee and Rice.
— e Limpadores de Amendoim (Mandobi, Ginguba)—Shellers and Cleaners, Peanut.
— de Luzerna—Hullers, Clover.
Desgastadores de Superficies, Simples e Automaticos—Grinders, Surface, Plain and Automatic.
Desinfecção, Apparelhos de — Disinfecting Apparatus.
Disinfectantes—Disinfectants.
Disinfectar Roupa, Apparelhos para—Disinfecting Apparatus for Clothing.
Desperdicios de Algodão—Waste, Cotton.
— de Couro—Leather Waste.
— de Lã—Waste, Wool.
Destilar Agua, Apparelhos de—Distilling Apparatus, Water.
Desvio, Rãs e Agulhas de—Frogs and Switches.
Diamantes—Diamonds.
Diaphragmas de Borracha—Diaphragms, Rubber.
— de Carvão—Diaphragms, Carbon.
Diarios—Diaries.
Dictaphones—Dictaphones.
Differenciaes—Differentials.
Digestores de Cobre—Copper Digesters.
— de Papel—Digesters, Paper.
Diques—Dry Docks.
Dissolventes, Apparelhos de Reclamar—Solvent-Reclaiming Apparatus.
Dobradiças—Hinges and Butts.
— de Mola—Hinges, Spring.
Doceis para Leitos—Canopies, Bed.
Doces—Confectionery.
Douradores e Prateadores—Platers, Gold and Silver.
Dragas—Dredges.
—, Elevadoras—Dredges, Elevator.
Duplicadores, Apparelhos—Duplicating Apparatus.
Dynamos—Dynamos.

Ebonite—Ebonite.
Economisadores de Combustivel — Economizers, Fuel.
Editores—Publishers.
Eixos de Automovel—Axles, Automobile.
— de Cames—Shafts, Cam.
— de Carro d'Estrada de Ferro—Axles, Car.
— de Carruagem e Carro—Axles, Carriage and Wagon.
—, Chumaceiras para—Hangers, Shaft.
— com Chumaceiras d'espheras e rolos—Axles, Ball and Roller Bearing.
— de Locomotiva—Axles, Locomotive.
—, Mancaes para—Hangers, Shaft.
— de Transmissão—Shafting.
— para Vehiculos—Shafts for Vehicles.
Ejectores—Ejectors.
Electrica, Instrumentos de Medição—Electrical Measuring Instruments.
Electricos, Materiaes—Electrical Supplies.
Electro-Magnetes—Electro-Magnets.
— Medicos Apparelhos — Electro-Medical Apparatus.
Electrodes—Electrodes.
Electroprateação—Electroplating.
Electrotypia, Apparelhos de—Electrotypers.
—, Chapas de—Plates, Electrotype.
Electrotypos—Plates, Electrotype.
Elevador, Caixas de—Cars, Elevator.
—, Caixas e Encerraduras de — Elevator Cabs and Enclosures.
Elevadores para Agua (Noras)—Elevators, Water.
— de Alcatruzes—Hoists, Bucket.
— para Algodão—Elevators, Cotton.
— para Altos Fornos—Hoists, Blast Furnace.
— a Ar Comprimido—Hoists, Compressed Air.
— para Carga—Elevators, Freight.
— para Cereal—Elevators, Grain.
— de Corrente—Hoist, Chain.
— com Correntes de Transmissão—Elevators, Link Belt.
— Domesticos para Comestiveis, etc.—Dumb Waiters.
— Electricos—Hoists, Electric.
— de Mão—Hoists, Hand.
— de Minas—Hoists, Mining.
— para Passageiros (Ascensores)—Elevators, Passenger.
Elixires—Elixirs.
Emblemas—Badges.
— de Irmandades—Emblems, Fraternity.
— Religiosos—Religious Emblems.
Empacadores de Carne de Porco—Pork Packers.
Empacotadores de Farinha e Farelo—Packers, Flour and Bran.
Emplastros Medicinaes—Plasters, Medicinaes.
Empreiteiros—Contractors.
— de Caminhos e Estradas—Contractors, Road.
— de Dragagem—Contractors, Dredging.
— de Obras Hydraulicas—Contractors, Water Works.
— de Tubagem—Contractors, Piping.
Encadernação para Folhas Soltas—Binding, Loose Leaf.
Encadernadores—Bookbinders.
Encanamentos, Artigos para Esgotos e—Plumbers' Supplies.

Encanneladores de Fios d'Algodão—Spoolers, Cotton.
Encerados Impermeaveis—Tarpaulins, Waterproof.
Enfeites para Vestidos—Trimmings, Dress.
Engates para Carros (E. de F.)—Couplers, Car.
— para Carros—Hitchings, Car.
— Electricos—Couplings, Electrical.
Engenheiros—Engineers.
— e Constructores de Fabricas de Aço—Engineers and Constructors, Steel Plant.
— de Frigorificos — Engineers, Refrigeration.
— Inspectores—Engineers, Inspection.
Engenhos de Canna—Mills, Cane.
Engrenagens—Gearing.
— de Automovel—Gears, Automobile.
— de Automovel—Gears, Car Motor.
— "Bakelite"—Gears, Bakelite.
— e Carretes Helicoides—Gears and Pinions, Helical.
—, Córtes de Couro Crú para—Gear Blanks, Rawhide.
— de Couro Cru—Gears, Rawhide.
— de Fibra—Gears, Fibre.
Enroladores de Estores e Persianas—Rollers, Shade and Blind.
Entreforro de Algodão—Cotton Wadding.
Entretela para Modistas—Millinery Buckram.
Enveloppes—Envelopes.
— de Calendario—Envelopes, Calendar.
Enxadas—Hoes.
— a Cavallo—Hoes, Horse.
Enxadões (Alviões)—Mattocks.
Enxofre—Sulphur.
Enxós—Adzes.
Equipamentos Militares — Military Equipments.
Equipamento de Queimar Carvão (Pulverizado)—Coal (Pulverized) Burning Equipment.
Escadas, Cobertas de Borracha para Degráus de—Stair Treads, Rubber.
— de Ferro e Aço—Stairs, Iron and Steel.
— de Madeira—Stairs, Wooden.
— de Mão—Ladders.
— Rolantes—Ladders, Rolling.
Escaladores—Escalators.
Escaleres a Remos—Boats, Row.
Escapolas—Hooks, Hat and Coat.
Escareadores—Reamers.
— e Alargadores—Counterbores and Countersinks.
Escarnadores para Peles—Scrapers, Hide.
Escarpas de Azulejo—Mantels, Tile.
— de Madeira para Chaminé — Mantels, Wood.
—, de Marmore—Mantels, Marble.
Escola, Materiaes para—School Supplies.
Escoria Esmagada—Slag, Crushed.
Escovas de Arame—Brushes, Wire.
— para Cabello e Toilet—Brushes, Hair and Toilet.
— de Carvão para Apparelhos Electricos—Brushes, Carbon, Electric.
— de Cerdas—Brushes, Bristle.
— de Dentes—Brushes, Shaving and Tooth.
— de Lavar Garrafas—Brushes, Bottle Washing.
— para Sobrado—Brushes, Floor.
Escudetes—Pins, Escutcheon.
Esfregadores de Panellas—Scrapers, Pot and Kettle.
Esgotos para Adegas e Lojas Subterraneas—Drainers, Cellar.
Esmaltadores em Madeira—Enamelers on Wood.
Esmaltes—Enamels.
— para Pintores—Smalts, Painters.
Esmeril—Emery.
—, Papel e Panno de—Emery Paper and Cloth.
Espanejadores de Balcão de Loja—Dusters, Counter.
— de Pennas—Dusters, Feather.
Espartilhos—Corsets.
—, Laminas de Aço para—Corset Steels.
—, Materiaes para—Corset Materials.
Especialidades em Aço de Construcção—Steel Specialties, Structural.
Especiarias—Spices.
Espectroscopios—Spectroscopes.
Espelhos, Molduras para—Mirror Frames.
— de Toucador—Mirrors, Toilet.
— de Vestibulo—Mirrors, Hall.
— de Vidro Cylindrado — Mirrors, Plate Glass.
Espetos—Skewers.
Espheras—Globes, School.
Espigadores de Trigo—Headers, Grain.
Espingarda, Peças de—Gun Parts.
Espingardas—Shotguns.
—, Pertences de—Gun Implements.
Espremedores de Roupa — Wringers, Clothes.
Esquadrias—Squares.
Estacas para Alicerces—Piling, Foundation.
— de Concreto—Piles, Concrete.
Estaes—Staybolts.
Estambres—Worsted Fabrics.
Estampadores de Pannos d'Algodão—Printers, Cotton Cloth.
— de Tecidos de Lã—Printers, Wool Goods.
—de Tecidos de Mistura de Seda—Printers, Silk Mixed Goods.
— em Tecidos de Seda—Printers, Silk Goods.
Estanho em Barra—Tin, Bar.
—, Oxydo de—Tin, Oxide.
— Phosphorado—Phosphorized, Tin.
—, Tetrachlorureto de—Tin, Tetrachloride of.
Estantes para Bilbiotheca—Shelving Library.
— para Livros—Bookcases.
— para Periodicos—Racks, Mazagine.
— Seccionaes para Livros—Bookcases, Sectional.
Estearina—Stearine.
Estereotypia, Metaes para—Metals, Stereotype.
Esterilisadores—Sterilizers.
Esterilização de Roupa, Apparelhos de—Sterilizing Apparatus for Clothing.
Esticadores, Tensores—Turnbuckles.
Estiradores para Alcatifas—Stretchers, Carpet.
— para Arame—Stretchers, Wire.
Estofador, Materias para—Upholsterers' Supplies.
Estojos de Couro, para Joias e Lunetas—Cases, Leather, for Jewelry and Eye Glasses.
— de Couro para Viajante—Dressing Cases, Leather.
— Ouro, Prata e Platina—Cases, Gold, Silver, and Platinum.
— para Socorro Urgente—First Aid Kits.
— "Thermos" para Lunch—Kits, "Thermos" Luncheon.
Estopa de Calafetar—Oakum.
— Oleosa, Caixas de Folha para—Cans, Oily Waste.

Estores—Shades, Window.
Estrada de Ferro, Assentos á prova de fogo para carros de—Fireproof Seating for Railway Cars.
—, Bilhetes e Papelaria para—Railway Tickets and Stationery.
— Maritimas—Railways, Marine.
—, Materiaes para—Railway Supplies.
—, Peças Forjadas para Carros de—Forgings, Car.
—, Torpedos e Rastilhos de Signal para—Railway Signal Torpedoes and Fuses.
Estrados de Aço para Carros—Car Underframes, Steel.
Estroncio, Salicylato de—Strontium Salicylate.
Estrychnina—Strychnine.
Estufas de Seccar Cereal—Dryers, Grain.
— de Seccar Lã—Dryers, Wool.
— Seccas—Kilns, Dry.
Estuque—Stucco.
Ether Sulphurico—Ether, Sulphuric.
Etiquetas—Labels.
— Metallicas—Tags, Metal.
—, Panno para—Tag Cloth.
— para Remessas—Tags, Shipping.
— Tecidas—Labels, Woven.
Evaporadores de Assucar — Evaporators, Sugar.
— de Fructas—Evaporators, Fruit.
Explosivos—Explosives.
Exportação, Revistas de—Export Publications.
Exterminadores de Bichos—Vermin Exterminators.
Extractores de Gordura — Extractors, Grease.
— de Mel e Cera—Extractors, Honey and Wax.
Extractos de Cortume—Extracts, Tanning.
— para Dar Sabor—Extracts, Flavoring.
— de Páo de Tinturaria—Dyewood Extracts.
— Pharmaceuticos — Extracts, Pharmaceutical.
Eyeglasses and Spectacles—Lunetas e Oculos.
Fabricas de Aço, Materiaes para—Steel Works, Equipment.
"Fab-rik-o-na," Tecidos para Forrar Paredes—Fab-rik-o-na Woven Wall Coverings.
Faca e Garfo Combinados—Knife and Fork Combined.
Facas de Aparar Papel—Knives, Paper Trimming.
— de Caçador—Knives, Hunting.
— de Carniceiro—Knives, Butchers'.
— de Cortar Folheado de Madeira — Knives, Veneer Cutting.
— de Cortar Milho—Knives, Corn.
— de Cortar Tabaco e Cigarros—Knives, Tobacco and Cigarette.
— de Cozinha—Knives, Kitchen.
— Dentadas para Cortar Pão—Knives, Bread, Serrated.
— para "Excelsior"—Knives, Excelsior.
— de Ferrador—Knives, Farriers'.
— de Folhear Couro—Knives, Leather-Splitting.
— para Fumo (Tabaco)—Shaves, Tobacco.
— Garfos de Mesa—Knives and Forks, Table.
— para Machinas—Knives, Machine.
— de Pintor e Pharmacia—Knives, Painters' and Druggists'.
— de Raspar—Knives, Scraping.
— de Tosar Tecidos—Knives, Shear.
Facejadores Pneumaticos de Mão—Hand Facers, Pneumatic.
Facturas Machinas de Fazer—Machines, Billing.
Faiança—Faience.
Fardos, Cintas e Fivelas para—Bale Bands and Buckles.
Farinha, Apparelhos de Provar—Testers, Flour.
— de Caroço d'Algodão—Meal, Cotton Seed.
— de Centeio—Flour, Rye.
— de Linhaça—Meal, Linseed.
— de Milho—Flour, Corn.
— de Trigo—Flour, Wheat.
— de Trigo Durum—Flour, Durum Wheat.
Faroes de Bombordo—Port Lights, Ship.
— de Locomotiva e Carros Publicos (Bonds)—Headlights, Locomotive and Street Car.
Fazendas de Lã e Estambres para Fatos—Suitings, Woolen and Worsted.
— de Lã com Urdume d'Algodão—Woolen Fabrics, Cotton Warp.
Febra de Trapos—Shoddy.
Fechaduras de Agulha de Caminho de Ferro—Locks, Switch.
— para Armarios e Bahús—Locks, Cabinet and Trunk.
— sem Chave—Locks, Keyless.
— de Encaixe, de Rebordo, Cadeados, Etc. —Locks, Mortise, Rim, Pad, etc.
— de Relogio, Combinação, Etc.—Locks, Time, Combination, Etc.
Fechos para Caixas—Fasteners, Box.
— para Janellas de Carros—Locks, Car Window.
— de Sahida—Locks, Exit.
Fecula—Starch, Edible.
Feltro para Arreios e Obras de Selleiro—Felt, Harness and Saddlery.
— para Calçado—Felt, Shoe.
— Cirurgico—Felt, Surgical.
— de Estofador—Felt, Upholstery.
— de Lã—Felt, Wool.
— de Pello—Felt, Hair.
— para Pianos e Orgãos—Felt, Piano and Organ.
— á Prova de Fôgo—Felt, Fireproof.
— para Tectos e Forros—Felt, Roofing and Sheathing.
Feltros para Chapéos—Felts, Hat.
— de Fabricante de Papel—Felt, Papermakers'.
— Industriaes—Felts, Mechanical.
Feno, Apparelhos d'Espalhar — Tedders, Hay.
Ferraduras, Almofadinhas de Borracha para —Horse Shoe Pads, Rubber.
— de Boi (Canellos)—Shoes, Ox.
— para Cavallos e Mulas—Shoes, Horse and Mule.
Ferragens de Bahú e Caixa—Hardware, Trunk and Box.
— de Caixão Funebre (Ataúde)—Hardware, Coffin and Casket.
— de Carros Ferro-Viarios — Hardware, Railway Car.
— de Carruagem—Hardware, Carriage.
— para Constructores (com Esmalte Branco)—Hardware, Builders' (White Enamel).
— de uso Domestico—Hardware, Household.
—, Especialidades em—Hardware Specialties.
—, Fabricantes de—Hardware, Builders'.
— Forjadas para Carros—Forgings, Car.

Ferragens—*Continuação.*
— Forjadas para Carruagens e Automoveis Forgings, Carriage and Automobile.
— Forjadas para Engenharia—Forgings, Engineering.
— Forjadas, Pequenas—Forgings, Light.
— de Guardachuvas—Hardware, Umbrella.
— para Janella—Hardware, Window.
— Maritimas (de Embarcação)—Hardware, Marine.
— de Mobilia e de Estofadores—Hardware, Furniture and Upholstery.
— de Orgão e Piano—Hardware, Organ and Piano.
— de Selleiro—Hardware, Saddlery.
— para Toldos—Hardware, Awning.
— para Vitrinas—Hardware, Show Case.
Ferramentas para Automoveis—Tools, Automobile.
— de Brocar—Tools, Drilling.
— de Cabo Oco, Jogos de—Tool Sets, Hollow Handle.
— de Caldeireiro—Tools, Boilermakers'.
— de Carpinteiro—Tools, Carpenters'.
— de Cavouqueiro—Tools, Stonecutters'.
— para Cimento—Tools, Cement.
— de Constructores de Pontes—Tools, Bridgemen's.
— de Drenagem—Tools, Drainage.
— Electricas—Tools, Electric.
— de Electricista—Tools, Electricians'.
— de Empreiteiro—Tools, Contractors'.
— de Encadernador—Tools, Bookbinders'.
— de Escultor—Tools, Carving.
— de Ferrador—Tools, Farriers'.
— de Ferreiro—Tools, Blacksmiths'.
— de Instalador de Encanamentos—Tools, Pipe Fitters'.
— para Instalador de Linhas Electricas—Tools, Linemen's.
— de Joalheiro—Tools, Jewelers'.
— de Latoeiro (Funileiro)—Tools, Tinsmiths'.
— para Limas—Tools, File.
— de Machinista—Tools, Machinists'.
— de Matteiro—Tools, Logging.
— de Mineiro—Tools, Miners'.
— de Pedreira e Canteira—Tools, Quarrying.
— de Pedreiro e Ladrilhador — Tools, Bricklayers' and Masons'.
— Pneumaticas—Tools, Pneumatic.
— Pneumaticas de Escultor—Tools, Carving, Pneumatic.
— de Sapateiro—Tools, Shoemakers'.
— para Serras—Tools, Saw.
— de Tanoeiro—Tools, Coopers'.
— para Via de Estrada de Ferro—Tools, Railway Track.
Ferro e Aço para Construcções—Structural Iron and Steel.
— e Aço em tiras para Canos, Machinas de Carregar—Machines, Charging, Skelp.
—, Apparelhos e Tintas para—Iron Fillers.
— em Barras—Iron Blooms.
—, Chapa de—Iron, Plate.
—, Chlorureto de—Iron, Chloride of.
— de Commercio, em Barras—Iron Merchant Bar.
— d'Engommar—Sad Irons.
—, Folha de—Iron, Sheet.
—, Folha Ondulada de—Iron, Sheet, Corrugated.
— Forjado em Tiras—Iron, Skelp.
— Guza—Iron, Pig.
— Guza Basico—Iron, Pig, Basic.
— Guza de Fundição—Iron, Pig, Foundry.
— Guza, Malleavel—Iron, Pig, Malleable.
—, Minerio de—Iron Ore.

Ferro—*Continuação.*
—, Obra Architectonica de—Ironwork, Architectural.
—, Obra de Chapa e Folha de—Ironwork, Plate and Sheet.
—, Obra Ornamental de—Ironwork, Ornamental.
—, Oxydos de—Iron Oxides.
— para Parafusos—Screw Iron.
— de Primeira Laminação em Barra—Iron, Muck Bar.
— em Tiras para Cintas e Arcos—Iron, Band and Hoop.
"Ferro," Ligas—Ferro Alloys.
Ferro-carris Industriaes—Railways, Industrial.
Ferrochromo—Ferrochrome.
Ferrolhos de Porta—Bolts, Door.
Ferromanganez—Ferromanganese.
Ferromolybdeno—Ferromolybdenum.
Ferronickel—Ferronickel.
Ferros Electricos de Engommar—Sad Irons, Electric.
— d'Engommar a Gaz—Sad Irons, Gas.
— de Frisar—Curlers, Hair.
Ferrosilicio—Ferosilicon.
Ferrotungstenio—Ferotungsten.
Ferrovanadio—Ferrovanadium.
Fibra para Malas e Bahús—Fibre, Trunk and Suit Case.
—, Pranchas de—Fibre Boards.
— Vulcanizada—Fibre, Vulcanized.
Fibraloide—Fiberloid.
Fieiras Mechanicas para Arame—Machinery, Wire Drawing.
Filaca de Algodão—Yarns, Cotton.
— de Algodão para Meias—Yarns, Hosiery, Cotton.
— de Juta—Yarns, Jute.
— de Lã—Yarns, Woolen.
— de Linho—Yarns, Linen.
Filete—Bunting.
Filtração, Installações de—Filtration Plants.
Filtradores Prensas—Presses, Filter.
Filtragem, Tecidos para—Filter Fabrics.
Filtros de Agua—Filters, Water.
— de Oleo ou Azeite—Filters, Oil.
Fio (*vide* Arame)—Wire, Iron.
— de Algodão—Thread, Cotton.
— de Borracha—Thread, Rubber.
— de Costura—Twine, Sewing.
— Dental de Seda—Dental Floss.
— de Engavelar—Twine, Binder.
— de Linho—Thread, Linen.
Fios de Estambre—Yarns, Worsted.
— para Sarrafos e Forragem—Yarns, Lath and Fodder.
Fita Elastica—Tape, Elastic.
— d'Estofador—Tape, Upholsterers'.
— de Seda—Tape, Silk.
Fitas de Algodão—Tape, Cotton.
— para Chapéos—Hatbands.
— para Charutos—Ribbons, Cigar.
— de Isolação—Tape, Insulating.
— para Machinas d'Escrever — Ribbons, Typewriter.
— de Medir—Tape, Measuring.
— de Seda—Ribbons, Silk.
— de Velludo—Ribbons, Velvet.
Fivelas—Buckles.
— Giratorias—Turnbuckles.
Flanelas de Algodão—Cotton Flannels.
— de Lã—Flannels, Woolen.
Fluxo de Soldar—Soldering Flux.
Fogões de Alcool—Stoves, Alcohol.
— de Aquentar Estações e Officinas—Stoves, Station and Shop Heating.
— para Carvão e Lenha—Stoves, Coal and Wood.

Fogões—*Continuação.*
— de Cozinha—Ranges.
— de Cozinhar a Carvão de Lenha—Cookers, Charcoal.
— Electricos—Stoves, Electrical.
— Electricos de Cozinhar—Cooking Apparatus, Electric.
— de Gasolina—Stoves, Gasoline.
— de Gaz—Stoves, Gas.
— de Petroleo—Stoves, Oil.
Folha de Ferro Chumbado—Plates, Terne.
— de Flandres—Plates, Tin.
— de Madeira para Paredes—Siding, Wood.
Folhas Metallicas para Paredes—Siding, Metallic.
— Soltas, Dispositivos de—Loose-Leaf Devices.
Folheados de Madeira—Veneers.
Folhetos, Capas para—Pamphlet Binders.
Fontes para Aguas Gazosas—Fountains, Soda Water.
— de Ferro e de Aço—Bridges, Iron and Steel.
— de Repuxo para Relvas e Parques—Fountains for Lawns and Parks.
Forjas Portateis—Forges, Portable.
Formaldehyde—Formaldehyde.
Fôrmas de Sapateiro e Blocos para Fôrmas—Lasts and Last Blocks.
Formões—Chisels.
Fornalhas de Aquentar Casas—Furnaces, House Heating.
Fornos de Aquentar Linguados—Furnaces, Billet Heating.
— Automaticos—Furnaces, Automatic.
— para Bagaço—Furnaces, Bagasse.
— de Cal—Kilns, Lime.
— com Canos de Vapor—Ovens, Steam. Pipe.
— para Chumbo—Furnaces, Lead.
— Electricos, Portateis—Furnaces, Portable Electric.
— para Fogões de Petroleo—Ovens, Oil Stove.
— de Fundir, Cozer e Refinar Mineral—Furnaces, Smelting, Roasting and Refining.
— de Fusão e Refinagem—Smelters and Refiners.
— a Gaz—Furnaces, Gas.
— Giratorios para Cimento—Kilns, Cement, Rotary.
— de Manga—Cupolas, Foundry.
— de Petroleo, Portateis—Furnaces, Portable Oil.
— para Porcelana—Kilns, China.
— Portateis—Ovens, Portable.
— de Recozer Arame—Furnaces, Wire Annealing.
— de Recozer Metaes—Furnaces, Annealing.
— de Seccar—Kilns, Dry.
— para Soldar—Furnaces, Soldering.
Forquilhas para Coke, Carvão e Lastro—Forks, Coke, Coal and Ballast.
— para Feno e Adubos—Forks, Hay and Manure.
Forragem de Gado—Feed, Stock.
Forros para Alcatifas—Lining, Carpet.
— de Algodão—Linings, Cotton.
— de Algodão e Lã Misturados—Linings, Cotton and Wool Mixed.
— de Argilla, á prova de Fogo—Linings, Clay, Fireproof.
— para Caldeiras e Tubos de Vapor—Covering, Boiler and Steam Pipe.
— de Freio para Automovel—Brake Linings, Automobile.

Forros—*Continuação.*
— de Frigoriferos, de Esmalte de Porcelana—Refrigerator Linings, Porcelain Enamel.
— Mercerizados—Linings, Mercerized.
— de Seda—Linings, Silk.
Fosforos, Materiaes para Fabricantes de—Match Manufacturers' Supplies.
Fouces—Scythes.
Frascos de Bolso—Flasks, Pocket.
— de Pharmacia e Perfumista—Bottles, Druggists' and Perfumers'.
Freio, Peças de (para Carros)—Brake Parts, Car.
—, Rodas de—Brake Wheels.
—, Sapatos de—Brake Shoes.
Freios de Automovel—Brakes, Automobile.
—, Barras de (Ferro-Viarios) — Brake Beams, Railway.
—, Manivellas de—Brake Handles.
— Pneumaticos—Brakes, Air.
— de Porta—Checks, Door.
— de Roda Livre para Bicycleta—Brakes, Bicycle Coaster.
"Fricções" de Automovel—Frictions, Automobile.
Frigideiras de Aço—Pans, Steel Fry.
Frigoriferos—Refrigerators.
Frigorificos—Beef Packers.
— para Carne de Porco—Pork Packers.
Fronhas—Cases, Pillow.
Frutas Evaporadas—Fruits, Evaporated.
— em Latas e em Conserva—Fruits, Canned and Preserved.
Fundição, Equipamento para — Foundry Equipment.
—, Equipamento para Altos Fornos de—Blast Furnace Equipment.
Fundições de Prata Allemã—Castings, German Silver.
Funeraes, Materiaes para Emprezarios de—Undertakers' Supplies.
Funileiro, Retalhos de—Tinners' Trimmings.
Furadores (Brocas) Pneumaticos—Drills, Pneumatic.
— (Brocas) de Roquete—Drills, Ratchet.
Fusiveis—Plugs, Fusible.
— Electricos—Fuses, Electric.
Fustete, Extracto de—Fustic Extract.

Gabaris e Pertences de Brocar e Fresar—Jigs and Fixtures, Drilling and Milling.
Gabarras—Barges.
Gacheta de Asbesto—Packing, Asbestos.
— de Fibra Vulcanizada—Packing, Vulcanized Fibre.
— de Jute—Packing, Jute.
— para Machina a Vapor—Packing, Steam.
Gachetas de Fibra Vulcanizada—Gaskets, Vulcanized Fibre.
Gadanhadores—Mowers.
Gaiolas de Passaro—Cages, Bird.
Ganchos de Atacar Calçado—Hooks, Shoe Lacing.
— para Correias—Hooks, Belting.
Garage, Equipamento de—Garage Equipment.
Garrafas—Bottles.
—de Alta Pressão—Bottles, High Pressure.
— de Borracha—Bottles, Rubber.
—, Capas para—Bottle Covers.
—, Capsulas para—Bottle Caps.
—, Conductores de Madeira para—Bottle Carriers, Wooden.
—, Envoltorios para—Bottle Wrappers.

Garrafas—*Continuação.*
—, Instrumentos de Abrir—Openers, Bottle.
—, Rolhas para—Bottle Stoppers.
— "Thermos" de Manter Temperatura—Bottles, "Thermos" Temperature.
Garrafões Empalhados—Carboys.
Garras de Calçado para Caminhar sobre Gelo—Creepers, Ice.
— de Mudança de Andamento—Clutches, Reversing.
Gasolina—Gasoline.
Gaz Acido Carbonico—Carbonic Acid Gas.
—, Apparelhos de Produzir—Gas Producers.
—, Artigos Industriaes e Domesticos para—Gas Appliances, Industrial and Domestic.
—, Evacuadores de, Rotatorios—Gas Exhausters, Rotary.
—, Luzes Incandescentes de—Gas Lights, Incandescent.
—, Reservatorios de—Gas Holders.
Gaze Cirurgica—Gauze, Surgical.
Gelatina—Gelatine.
Gelea, Pós de fazer—Jelly Powders.
Gelo—Ice.
—, Apparelhos de Quebrar—Ice Breakers.
—, Ferramentas para—Tools, Ice.
Genebra—Gin.
Gengibre, Cerveja de—Ginger Ale.
Geradores de Ar Quente—Generators, Warm Air.
— de Gaz de Acetylene—Generators, Acetylene Gas.
Gesso, Cartões para—Plaster Boards.
— para Parede—Plaster, Wall.
Giradores para Automoveis—Turntables, Automobile.
— de Caminhos de Ferro Industriaes—Turntables, Industrial Railway.
— de Estrada de Ferro—Turntables, Railroad.
Globos para Escola—Globes, School.
— de Lanterna—Globes, Lantern.
Glucose—Glucose.
Glycerina—Glycerine.
"Golf," Bolas para jogar—Golf Balls.
Gomma Britannica—Gum, British.
— de Mascar—Gum Chewing.
— de Peixe—Isinglass.
Gommas—Gum.
"Gongs" (Campainhas Chinezas)—Gongs.
Gonzos—Hinges and Butts.
Gordura de Lã—Fat, Wool.
Goteiras e Conductores de Madeira—Eaves Troughs and Conductors, Wood.
— de Lata—Spouts, Tin.
— de Metal—Eaves Troughs, Metal.
Grades Agricolas—Harrows.
Graixa para Arreios—Dressing Harness.
— para Calçado—Blacking, Shoe.
— para Correias—Dressing, Belt.
— para Couro—Dressing, Leather.
— d'Espingarda—Gun Grease.
Graixas de Lubrificação—Greases, Lubricating.
Gramophone, Discos de—Phonograph Records.
Gramophones—Phonographs.
Grampos—Clamps.
— de Arame—Staples, Wire.
— de Cabo de Arame—Clamps, Wire Rope; *tambem* Clips, Wire Rope.
— para Cabos Electricos—Clips, Electric Cable.
— para Caldeira—Clamps, Boiler.
— para Chapas de Torno—Jaws, Face Plate.
Granito—Granite.
Graphito—Graphite.
Gravadores em Cobre—Engravers, Copper.
— em Madeira—Engravers, Wood.
— de Mappas—Engravers, Map.
— de Meio-Tom—Engravers, Half-Tone.
—, Rolos de Aço e Cobre, de Estampar em Relevo para—Engravers, Steel and Copper Embossing Rolls.
Gravatas—Neckties.
—, Golas, Etc., para Senhora—Neckwear, Women's.
— de Malha—Scarfs, Knitted.
— de Seda—Silks, Necktie.
Graxa para Calçado (*vide* Graxia)—Polish, Shoe.
Grelhas para Fornalha de Caldeira—Grates, Boiler.
— para Gaz—Grates, Gas.
— e Grades—Grilles and Gratings.
— de Lar—Grates, Fireplace.
Grilhões—Shackles, Marine.
Grude—Glue.
Guarda chuvas—Umbrellas.
— de Reclame—Umbrellas, Advertising.
—, Tecidos para—Umbrella Fabrics.
Guarda-livros, Artigos para—Bee-Keepers' Supplies.
Guarda-moscas de Rede—Fly Screens, Net.
Guarda-roupas—Wardrobes.
Guarda-ventos—Doors, Screen.
— para Automoveis—Wind Shields, Automobile.
Guardanapos de Papel—Napkins, Paper.
Guardas para Arvores e Relvas—Guards, Lawn and Tree.
— de Machinismo—Guards, Machinery.
Guardasóes—Parasols.
Guarnições para Arreios—Trimmings, Harness.
— para Carruagens e Caixões Funebres—Trimmings, Carriage and Casket.
— de Latão para Mobilia—Trimmings, Furniture, Brass.
— para Ligas e Suspensorios—Trimmings, Garter and Suspender.
Guindastes—Derricks.
— movidos a Cabo—Cranes, Rope Driven.
— para Depositos de Canna—Derricks, Cane Storage.
—, Electricos, a Vapor ou de Mão—Cranes, Electric, Steam or Hand Power.
— Hydraulicos—Cranes, Hydraulic.
— de Locomotiva—Cranes, Locomotive.
— Pneumaticos—Cranes, Pneumatic.
Gutta-percha Dental—Gutta Percha, Dental.
—, Productos de—Gutta Percha Products.
Gymnasio, Apparelhos de—Gymnasium Apparatus.

Helices—Propellers; *tambem* Wheels, Propellor.
Hematina, Pasta e Crystal de—Hematine Paste and Crystal.
Hexamethylenetetramina — Hexamethylenetetramine.
Hiates para Pesca e Recreio—Yachts, Fishing and Pleasure.
Hollandas para Cortinas de Janella—Hollands, Window.
Hombreiras de Porta e Biombos de Janella—Frames, Door and Window Screen.
Hospital, Equipamento para — Hospital Equipment.
Hydro-Extractore—Hydro-Extractors.
Humedecedores—Humidifiers.
Hypermico, Extracto—Hypermic Extract.

Ilhós—Eyelets.
—, Instrumentos de Fixar—Eyelet Sets.
— de Carros, Systemas para—Lighting Systems, Car.
Illuminação, Accessorios—Fixture Parts, Lighting.
Imprensa, Materiaes de—Printers' Supplies.
Impresorses em Côres—Printers, Color.
— em Madeira—Printers on Wood.
— de Musica—Printers, Music.
Incendio, Alarmes de—Fire Alarms.
—, Apparelhos Automoveis para—Fire Apparatus, Automobile.
—, Escadas de Escapar a—Fire Escapes.
Incendios, Apparelhos Automaticos de Apagar—Fire Extinguishers, Automatic.
—, Apparelhos Chimicos de Apagar—Fire Extinguishers, Chemical.
Incineradores de Lixo—Incinerators, Garbage.
Indicadores de Nivel d'Agua—Gauges, Water.
— de Pressão para Machinas a Vapor—Indicators, Steam Engine.
Indice, Etiquetas e Materiaes para—Index Labels and Supplies.
Iniciadores de Marcha para Motores—Starters, Engine and Motor.
Injectores—Injectors.
Insecticidas—Insecticides.
Insignias—Badges.
Installações de Cynureto para Extracção de Ouro—Cyanide Gold Extracting Plants.
— para Utilisar Pós Metallicos vindos dos Altos-Fornos—Sintering Plants.
Instrumentos Agricolas—Agricultural Implements; *tambem* Tools, Farm and Garden.
— Agricolas, Peças para—Agricultural Implement Parts.
— de Agrimensura—Instruments, Surveying.
— de Carniceiro—Tools, Butchers'.
— Cirurgicos—Instruments, Surgical.
— para Cortar Cabello e Tosquiar Cavallos—Clippers, Horse and Toilet.
— de Dentista—Instruments, Dental.
— de Lavoura—Tools, Farm and Garden.
— de Musica—Instruments, Musical.
— Nauticos—Instruments, Nautical.
— de Precisão—Tools, Precision.
— Scientificos—Instruments, Scientific.
— de Segar Feno—Tools, Haying.
Iodureto—Iodide.
Isolador, Material—Insulating Material.
Isoladores, Alfinetes—Insulator Pins.
— de Cortiça—Cork Insulation.
— de Fibra Vulcanizada—Insulators, Vulcanized Fibre.
— de Mica—Insulators, Mica.
— de Porcelana—Insulators, Porcelain.
— de Vidro—Insulators, Glass.

Janellas, Caixilhos Metallicos para—Window Frames and Sash, Metal.
— Commemorativas—Windows, Memorial.
— á Prova de Fôgo—Windows, Fireproof.
Jaquetões de Lã—Shirts, Wool.
Jarros para Frutas—Jars, Fruit.
Joalheiro, Materiaes para—Jewelers' Supplies; *tambem* Jewelers' Findings.
Jodo—Iodine.
Jogo de Bolas, Galerias de, e Pertenees—Bowling Alleys and Supplies.
Jogos—Games.
Joias de Casquinha de Ouro, Folheadas de Ouro e de Ouro Laminada, etc.—Jewelry, Gold Filled, Gold Plated, Rolled Gold, etc.
Joias—*Continuação.*
—, Engastes de—Jewelry Mountings.
— de Ouro Massiço—Jewelry, Sold Gold.
— de Platina—Jewelry, Platinum.
— de Prata—Jewelry, Silver.
Jugos de Colleira—Neck Yokes.
Junctas Electricas (Talas) para Ligar Trilhos—Rail Bonds.

Kerosene—Kerosene.
Khaki, Panno—Khaki Cloth.
"Kraft Kona," para Cobrir Paredes—Kraft Kona Wall Coverings.
Kryolithe—Kryolith.

Lã—Wool.
Laboratorio, Apparelhos de Prova para—Testing Laboratory Apparatus.
Lacas—Lacquers.
Laços de Corda—Lariats, Rope.
Ladrilhos—Tile, Floor.
Lagares de Azeite—Presses, Oil.
— de Vinho—Presses, Fruit, Wine and Jelly.
Lageas de Marmore—Slabs, Marble.
Lambazes, Fios para—Mop Yarns.
Laminadores, Equipamento para—Rolling Mill Equipment.
— de Latão e Cobre—Rolling Mills, Brass and Copper.
Lampadas de Carros Ferro-Viarios—Lamps, Railroad Car.
— Electricas de Arco Voltaico—Lamps, Electric Arc.
— Electricas Incandescentes — Lamps, Incandescent Electric.
—, Guarnições para—Lamp Trimmings.
— de Hydro-Carbone—Lamps, Hydro-Carbon.
— Maritimas (Pharóes)—Lamps, Marine.
— de Mineiro—Lamps, Miners'.
— de Segurança, Electricas, de Acetylene e Naphta—Lamps, Safety, Electric, Acetylene and Naphtha.
— de Vidro para Candieiros Electricos—Bulbs, Glass, for Electric Lamps.
Lampiões de Rua—Lamps, Street.
— de Rua, Estacas de Ferro Fundido para — Lamp Posts, Cast Iron.
Lançadeiras—Shuttles.
Lanças de Carruagem—Poles, Carriage.
— para Cortinas—Poles, Curtain.
Lanchas a Gasolina e a Naphta—Launches, Gasoline and Naphtha.
— a Vapor—Launches, Steam.
Lanolina—Lanoline.
Lanternas—Lanterns.
— de Automovel—Lamps, Automobile.
— de Bicycleta—Lamps, Bicycle.
— de Caminho de Ferro e Navio—Lanterns, Railroad and Ship.
— de Carruagem—Lamps, Carriage.
— Electricas de Luz Intermittente—Lamps, Flash, Electric.
— de Signal—Lamps, Signal.
Lapides Commemorativas—Tablets, Memorial.
Lapis—Pencils, Lead.
—, Aguçadores de—Sharpeners, Pencil.
—, Madeira para—Pencil Timber.
Lastro, Descarregadores de—Ballast Unloaders.
Lata, Objectos de—Tinware.
Latão Fundido em Linguados—Brass, Ingot Casting.
—, Peças de Formas Especiaes—Brass Shapes.
— em Varinhas e Varões—Brass Rods.

Latas—Cans, Tin.
— para Despejos de Cozinha—Cans, Garbage.
— Grandes para Cinzas—Cans, Ash.
— para Oleo, Petroleo e Azeite—Cans, Oil.
Latrinas—Water Closets.
Lavanderia, Materiaes para—Laundry Supplies.
Lavadores de Gaz para Gazometros—Scrubbers, Gas Works.
Lavatorios para Estradas de Ferro—Lavatories, Railway.
— para Navio—Lavatories, Ship.
— e Pertences—Lavatories and Fixtures.
Legumes em Latas—Vegetables, Canned.
Leite Condensado—Milk, Condensed.
— Evaporado—Milk, Evaporated.
— Preparado com Malt—Milk, Malted.
Lençóes d'Algodão—Sheets, Cotton.
Lenços—Handkerchiefs.
Lentes para Faróes de Locomotiva—Lenses, Headlight.
— Opticas—Lenses, Optical.
— Photographicas—Lenses, Photographic.
— de Signaes de Caminhos de Ferro—Lenses, Railway Signal.
Leques Electricos para Tectos e Secretárias—Fans, Electric, Ceiling and Desk.
Lettras e Algarismos d'Aço—Letters and Figures, Steel.
Lettreiros de Reclame—Signs, Advertising.
— para Ruas—Signs, Road.
Levadura—Yeast.
— em Pó—Powder, Baking.
Licôres—Liquors.
Ligaduras Cirurgicas—Bandages, Surgical.
Ligas—Garters.
— de Elastico para os Braços—Arm Bands, Elastic.
— de Nickel—Alloys, Nickel.
— de Resistencia—Alloys, Resistance.
Limadores—Shapers.
— para Lavrar Madeira—Shapers, Wood.
Limas e Grozas—Files and Rasps.
— para Unhas—Nail Files.
Limões, Espemedores de—Lemon Squeezers.
Limpadores de Passeios e Lagedos—Scrapers, Sidewalk.
—e Peneiros de Farinha—Dressers and Scalpers, Flour.
— para Pias de Cozinha—Cleaners, Sink.
Limpeza a Secco, Materias para—Cleaners, Dry.
Linoleo—Linoleum.
Linotype e Monotypo, Metal para—Metal, Linotype and Monotype.
Listões—Lath.
— d'Arame—Wire Lathing.
— Metallicos—Lathing, Metallic.
— Metallicos de Paravento — Weather Strip, Metallic.
Lithargyrio—Litharge.
Lithographos—Printers, Lithographic.
— em Metal—Lithographers on Metal.
Lithopone—Lithopone.
Livros em Branco—Books, Blank.
— Infantis, Books, Children's.
— de Lembranças—Books Memorandum.
— Razão de Folhas Soltas—Ledgers, Loose-Leaf.
—, Scientificos e Technicos—Books, Scientific and Technical.
Lixa, Granada, etc., Papel de—Paper, Sand, Garnet, etc.
— e Silex, Papel e Panno de—Sand and Flint Paper and Cloth.
Lixar, Materiaes de—Abrasive Materials.
Lixivia—Lye.
Locomotiva, Peças de—Locomotive Parts.
Locomotivas a Ar Comprimido—Locomotives, Compressed Air.
— Electricas—Locomotives, Electric.
— sem Fornalha—Locomotives, Fireless.
— a Gasolina—Locomotives, Gasoline.
— para Minas e Fazendas—Locomotives, Mine and Plantation.
— a Vapor—Locomotives, Steam.
Loiça—Pottery.
Lona de Algodão—Cotton Duck.
— de Forrar Paredes—Canvas for Wall Covering.
Louça Fina (Porcelana)—Chinaware.
— de Pó de Pedra—Stoneware, Glazed.
— de Pó de Pedra para Chimicos—Stoneware, Chemical.
— Sanitaria—Earthenware, Sanitary.
— de Vidro "Pyrex"—Hollow-ware, Glass, "Pyrex".
Lubrificadores—Lubricators.
Lubrificantes—Lubricants.
Lustre para Automoveis—Polish, Automobile.
— para Metal—Polish, Metal.
— para Mobilia—Polish, Furniture.
Lustres—Chandeliers.
Luvas de Borracha—Gloves, Rubber.
— de Couro—Gloves, Leather.
— d'Expansao para Tubos Joints, Expansion.
— para Mangueiras Pneumaticas — Couplers, Air Hose.
— e Mitenes de Lã—Gloves and Mittens, Woolen.
— de Obreiro—Gloves, Workingmen's.
— de Seda—Gloves, Silk.
— Tecidas—Gloves, Fabric.
Luzes Prismaticas—Lights, Prismatic.

Macacos de Alavanca (para Carros e Automoveis)—Jacks, Lever (Wagon and Automobile).
— Hydraulicos—Jacks, Hydraulic.
— de Parafuso—Jackscrews.
— Pneumaticos—Jacks, Pneumatic.
— para Ponte—Jacks, Bridge.
Macarrão—Macaroni.
Maças de Gymnastica—Clubs, Indian.
Macetas—Mallets.
— de Borracha—Mallets, Rubber.
— de Couro Crú—Mallets, Rawhide.
Machadinhas—Hatchets.
— de Açougue—Cleavers.
Machados—Axes.
Machambambas—Merry-Go-Rounds.
— a vapor—Carrousels.
Machetes (*vide* Manchins)—Knives, Cane.
Machinas de Abrir Escateis—Machines, Slitting.
— de Abrir Poços—Machinery, Well-Boring.
— de Abrir Poços Artesianos—Drills, Artesian Well.
— de Abrir Roscas—Machines, Threading.
— de Acabar Tecidos—Machinery, Textile Finishing.
— para Adubos—Machinery, Fertilizer.
— de Aguçar Brocas—Machines, Drill Sharpening.
— de Alta Velocidade—Engines, High Speed.
— de Amalgamar—Machinery, Amalgamating.
— para Amendoim—Machinery, Peanut.
— de Amolar e Polir—Machinery, Grinding and Polishing.
— de Aplainar e Emparelhar (Machiar)—Machines, Planing and Matching.

Machinas—*Continuação.*
— de Aplainar Metal—Planers, Metal.
— de Applicar Estuque—Machinery, Stucco Applying.
— a Ar Quente—Engines, Hot Air.
— de Arredondar Dentes de Engrenagens —Machinery, Gear Tooth Rounding.
— para Artigos de Malha e Acabamento de Tecidos—Machines, Knit Goods and Fabric Finishing.
— Automaticas—Machinery, Automatic.
— Automaticas de Pesar e Sellar—Machines, Automatic Weighing and Sealing.
— de Automovel—Machinery, Automobile.
— de Beneficiar e Limpar Arroz—Machinery, Rice Milling and Cleaning.
— de Branquear—Machinery, Bleaching.
— de Branquear (Caiar) — Machines, Whitewashing.
— de Brocar—Presses, Drill.
— de Brocar Metaes—Drilling Machines for Metals.
— de Bronzear—Machines, Bronzing.
— para Cadinhos—Machinery, Crucible.
— para Café—Machinery, Coffee.
— para Caixas de Fibra para Remessas—Machinery, Fibre Shipping Case.
— de Calandrar—Machines, Calendering.
— de Carregar Carros—Machines, Car Loading.
— de Carregar e Curvar—Machines, Charging, Skelp.
— para Carregar e Descarregar Navios—Machinery, Ship Loading and Unloading.
— para Carros de E. de F.—Machinery, Railway Carriage and Wagon.
— "Caterpillar"—Engines, Caterpillar.
— Ceifeiras—Engines, Harvesting.
— para Celluloide—Machinery, Celluloid.
— Centrifugas para Assucar—Machines, Centrifugal Sugar.
— Centrifugas para Liquidos—Machinery, Centrifugal Liquid.
— para Cimento e Gesso—Machinery, Cement and Plaster.
— para Cinematographo—Machines, Moving Picture.
— de Computar—Machines, Computing.
— para Concentração e Fundição—Machinery, Concentrating and Smelting.
— de Confeiteiro—Machinery, Confectioners'.
— para Construcção de Caminhos—Machines, Road Making.
— para Constructores de Navios—Machinery, Ship Builders'.
— de Contar—Machines, Counting.
— de Conversão de Cobre—Machinery, Copper Converting.
— de Copiar—Machines, Copying.
— para Copias Multiplices — Machines, Manifolding.
— de Cordoalha e Fio de Engavelar—Machinery, Cordage and Binder Twine.
— de Cortar e Aparar—Machines, Shearing and Clipping.
— de Cortar Cavilhas—Clippers, Bolt.
— de Cortar Dentes de Engrenagem—Machines, Gear Cutting.
— de cortar Escateis para Chavetas—Machines, Key Seating.
— de Cortar e Esmiucar Trapos—Cutters and Shredders, Rag.
— de Cortar Folheado de Madeira—Machines, Veneer Cutting.
— de Cortar e Rachar Madeira—Machinery, Wood Cutting and Splitting.

Machinas—*Continuação.*
— de Cortar Retalhos de Couro, Borracha, etc.—Cutters, Scrap Leather, Rubber, etc.
— de Cortar Tubos e Abrir Roscas—Machines, Pipe Cutting and Threading.
— para Cortidores e Surradores de Pelles —Machinery, Tanners' and Curriers'.
— de Costura—Machinery, Sewing.
— de Costura, Materials para—Sewing Machine Supplies.
— de Costura, Peças para—Sewing Machine Parts.
— para Couro Artificial — Machinery, Leather, Artificial.
— para Cunhagem de Dinheiro—Machinery, Minting.
— de Curvar—Machinery, Bending.
— de Dentista—Engines, Dental.
— de Descaroçar Algodão—Machinery, Cotton Gin.
— de Descarregar Carros—Machines, Car Dumping and Unloading.
— para Desgastar Rolos—Roll Grinders.
— para Dispor de Lixo—Machinery, Garbage Disposal.
— de Dividir Couro em Folhas—Machines, Leather Splitting.
— de Dobar (Enrolar)—Machinery, Winding.
— de Dobrar—Machinery, Folding.
— de Dobrar Cartas—Machines, Folding, Letter.
— de Duplicar—Machines, Duplicating.
— de Elevar—Machinery, Hoisting.
— de Embrulhar—Machinery, Wrapping.
— para Empacadores e Preparadores de Carne—Machinery, Packers.
— de Empacotar Cigarros—Machines, Cigarette Packing.
— para Empreiteiros — Machinery, Contractors'.
— de Encadernação — Machinery, Bookbinders'.
— de Encanudar e Preguear—Machinery, Fluting and Plaiting.
— de Encapsular—Machinery, Capping.
— de Encher Latas—Machinery, Casing.
— para Encher Latas de Conserva—Machinery, Cannery.
— de Encollar Papel—Machinery, Paper Coating.
— de Endereçar—Machines, Addressing.
— de Endireitar e Conformar Arame—Machinery, Wire Straightening and Forming.
— de Endireitar e Tornear Eixos—Machines, Shaft Straightening and Turning.
— de Engarrafar—Machines, Bottling.
— para Engenhos de Assucar—Machinery, Sugar House.
— de Enrolar e Acabar Molas—Machines, Spring Coiling and Finishing.
— de Enrugar Papel—Machinery, Paper Corrugating.
— de Ensaccar Lã—Machinery, Wool Bagging.
— de Ensaccar e Pesar—Machinery, Bagging and Weighing.
— de Entrançar—Machinery, Braiding.
— de Escolher e Alimpar Fibra—Machinery, Fibre Picking and Cleaning.
— d'Escrever—Typewriters.
— d'Escrever, Accessorios de—Typewriter Supplies.
— d'Escrever Dobradiças — Typewriters, Folding.

Machinas—*Continuação.*
— d'Escrever, Estantes para—Typewriter Stands.
— d'Escrever, Portateis — Typewriters, Portable.
— d'Escrever, Reconstruidas—Typewriters, Rebuilt.
— para Escripturação Commercial—Machines, Bookkeeping.
— de Esmerilhar Valvulas — Machines, Valve Grinding.
— Especiaes de Amolar—Grinding Machinery, Special.
— de Estampar Linoleo—Machines, Linoleum Printing.
— de Estampar Oleado—Machines, Oil Cloth Printing.
— de Estampar em Relevo—Machines, Embossing.
— de Estampar Tecidos—Machinery, Textile Printing.
— de Estampar Typo — Machines, Type Embossing.
— de Fabricar Alfinetes—Machines, Pin Making.
— de Fabricar Arcos de Barril—Machinery, Hoop Making.
— de Fabricar Arrebites—Machines, Rivet.
— de Fabricar Bicycletas — Machinery, Bicycle.
— de Fabricar Blocos de Cimento e Concreto—Machines, Cement and Concrete Block.
— para Fabricas de Borracha—Machinery, Rubber Mill.
— de Fabricar Cabos—Machinery, Cabling; *tambem* Machinery, Rope.
— de Fabricar Caixas—Machinery, Box Making.
— de Fabricar Caixas de Cartão—Machinery, Paper Box.
— para Fabricar Caixas de Relogio—Machinery, Watch Case.
— de Fabricar Camas de Molas—Machinery, Spring Bed.
— de Fabricar Capsulas para Garrafas—Machinery, Bottle Cap.
— para Fabrica de Carruagens e Carros—Machinery, Carriage and Wagon.
— de Fabricar Cartuchos—Machinery, Cartridge.
— de Fabricar Cavilhas e Porcas—Machinery, Bolt and Nut.
— para Fabrica de Cerveja e Distillação—Machinery, Brewery and Distillery.
— de Fabricar Chapéos—Machinery, Hat.
— de Fabricar Charutos—Machinery, Cigar.
— de Fabricar Cigarros — Machinery, Cigarette.
— de Fabricar Espartilhos — Machines, Corset Making.
— para Fabrica de Farinha—Machinery, Flour Mill.
— de Fabricar Fosforos — Machinery, Match Making.
— de Fabricar Garfos—Machinery, Fork Making.
— para Fabrica de Gaz—Machinery, Gas Works.
— de Fabricar Gelo—Machinery, Ice Making.
— de Fabricar Glycerina — Machinery, Glycerine.
— de Fabricar Gomma de Mascar—Machinery, Chewing Gum.
— de Fabricar Gonzos—Machinery, Hinge.
— de Fabricar Grampos—Machines, Staple.

Machinas—*Continuação.*
— de Fabricar Latas—Machinery, Can Makers'.
— de Fabricar Lapis—Machinery, Pencil.
— de Fabricar Macarrão, Aletrir, etc.—Machinery, Macaroni.
— de Fabricar Oleado—Machinery, Oil Cloth.
— para Fabrica de Oleos—Machinery, Oil Mill.
— para Fabrica de Papel—Machinery, Paper Mill.
— para Fabricar Papel de Forrar Salas—Machinery, Wall Paper.
— de Fabricar Papel de Lixa—Machinery, Sandpaper Making.
— de Fabricar Papel Photographico—Machinery, Photographic Paper.
— de Fabricar Papelão—Machinery, Paper Board.
— de Fabricar Parafusos — Machines, Screw.
— para Fabrica de Pianos—Machines, Piano.
— de Fabricar Pneumaticos para Rodas—Machinery, Tire Making, Rubber.
— de Fabricar Polme—Machinery, Pulping.
— para Fabrica de Polvora—Machinery, Powder Works.
— de Fabricar Pregos de Arame—Machines, Wire Nail.
— para Fabrica de Sabão—Machinery, Soap Making.
— de Fabricar Saccos de Papel e Etiquetas—Machinery, Paper Bag and Tag.
— de Fabricar Seda Artificial—Machinery, Artificial Silk.
— para Fabrica de Serragem—Machinery, Saw Mill.
— para Fabrica de Tabaco—Machinery, Tobacco.
— de Fabricar Tachas—Machinery, Tack Making.
— de Fabricar Tapetes—Machinery, Carpet.
— de Fabricar Tecidos—Machinery, Textile.
— de Fabricar Telhas—Machinery, Tile Making.
— de Fabricar Tijolos—Machinery, Brick Making.
— de Fabricar Tinta d'Oleo e Alvaiade—Machinery, Paint and White Lead.
— para Fabrica de Tubos—Machinery, Tube Mill.
— de Fabricar Tubos de Borracha—Machinery, Rubber Tubing.
— para Fabrica de Varas—Machinery, Rod Mill.
— de Fabricar Vasos de Papel ou Fibra—Machinery, Can Making, Paper or Fibre.
— para Fabrica de Velas—Machinery, Candle.
— de Fabricar Velludo e Pellucia—Machinery, Velvet and Plush.
— de Fazer Botoeiras e coser Botões—Machines, Button Hole and Button Sewing.
— de Fazer Cabos, Carreteis e Bobinas—Machinery, Handle, Spool and Bobbin.
— de Fazer Caixas Malhetadas—Machinery, Lock-Corner Box.
— de Fazer Cubos, Raios e Pinas para Rodas—Machinery, Hub, Spoke and Rim.

Machinas—*Continuação.*
— de Fazer Envelopes—Machinery, Envelope.
— de Fazer Facturas—Machines, Billing.
— de Fazer Ferraduras—Machinery, Horse Shoe.
— de Fazer Ilhós—Machinery, Eyelet.
— de Fazer Jugos de Colleira e Paus de Bolea—Machinery, Neck-Yoke and Singletree.
— de Fazer Listas e Tabellas—Machines, Listing.
— de Fazer Massa de Madeira—Machinery, Wood Pulp.
— de Fazer Mobilia—Machinery, Furniture.
— de Fazer Moldes para Fundição—Machines, Moulding, Foundry.
— de Fazer Moutões—Machinery, Pulley.
— de Fazer Portas, Vidraças e Venezianas—Machinery, Door, Sash and Blind.
— de Fazer Provas—Machines, Testing.
— de Fazer Rebordos em Metal—Machinery, Swaging.
— de Fazer Ripas—Machinery, Clapboard; *tambem* Machinery, Shingle.
— de Fazer Tubos—Machinery, Pipe Making.
— de Fazer Tubos de Chumbo e Folha—Machinery, Pipe, Lead and Tin.
— para Fazendas de Canna—Machines, Sugar Plantation.
— Ferramentas—Tools, Machine.
— de Fiação—Machinery, Spinning.
— para Filamento de Tungstenio para Lampadas Electricas—Machines, Tungsten Lamp Filament.
— para Flôres Artificiaes—Machinery, Artificial Flower.
— de Folhear Madeira—Machines, Veneering.
— de Forjar—Machinery, Forging.
— para Fornos de Coke—Machinery, Coke Oven.
— Fourdrinier (de Fabricar Papel)—Machines, Fourdrinier.
— de Fresar—Machines, Milling.
— Frigorificas—Machinery, Refrigerating.
— Frigorificas Automaticas — Machinery, Refrigerating, Automatic.
— de Furar — Engines, Drilling; *tambem* Presses, Drill.
— de Furar, Brocar e Tornear—Mills, Boring and Turning.
— de Furar Canos Reaes para Collocar Tubos Secundarios—Machines, Main Tapping.
— de Furar, Maxillas de—Boring Mill Jaws.
— a Gaz e Gasolina—Engines, Gas and Gasoline.
—de Gravar em Oco—Machinery, Die Sinking.
— de Grudar Papel—Machines, Pasting.
— Hydraulicas—Machinery, Hydraulic.
— para obras Hydraulicas — Machinery, Water Works.
— de Içar—Engines, Hoisting.
— para Illuminação Electrica—Machinery, Electric Lighting.
— de Imprimir—Machinery, Printing.
— de Imprimir Caixas de Fibra—Machinery, Printing, Fibre Case.
— para fabricantes de Instrumentos Agricolas—Machinery, Agricultural Implement Makers'.
— de Isolar Arame—Machinery, Wire Insulating.

Machinas—*Continuação.*
— a Kerosene (Petroleo)—Engines, Kerosene.
— para Lavanderia—Machinery, Laundry.
— de Lavar — Washing Machines, Laundry.
— de Lavar Fruta e Legumes—Washing Machines, Fruit and Vegetable.
— de Lavar Garrafas—Machines, Bottle Washing.
— de Lavar Louça—Machines, Dish Washing.
— de Lavar Minerio, Carvão e Areia—Washing Machines, Ore, Coal and Sand.
— de Limpar Caroços d'Algodão—Linters, Cotton Seed.
— de Limpar Cereal—Cleaners, Grain.
— de Limpar e Peneirar Farinha—Dressers and Scalpers, Flour.
— de Limpar a Secco — Machines, Dry Cleaning.
— para Linoleo—Machinery, Linoleum.
— de Lixar—Machines, Sandpapering.
— de Malha—Machines, Knitting.
— de Malhetar—Machines, Mortising.
— para Massagem—Machines, Massage.
— para Matadouros e Preparadores de Carne — Machinery, Slaughter and Packing House.
— para Matteiros—Machinery, Logging.
— de picar Milho—Shredders, Corn.
— para Minas de Carvão—Machinery, Coal Mining.
— para Mineração—Machinery, Mining.
— de Misturar e Peneirar Areia—Machinery, Sand Mixing and Sifting.
— de Misturar Pós e Polvoras—Machinery, Powder Mixing.
— para Moinhos de Casca de Cortir—Machinery, Bark Mill.
— de Mover Carvão e Minerio—Machinery, Coal and Ore Handling.
— de Mover Concreto—Machinery, Concrete Handling.
— para Nitro-Cellulose—Machinery, Nitro-Cellulose.
— de Numerar—Machines, Numbering.
— para Ollaria—Machinery, Pottery.
— de Ordenhar—Machines, Milking.
— de Padaria—Machinery, Bakers'.
— de Paginar e Numerar—Machines, Paging and Numbering.
— de Pautar Papel — Machinery, Paper Rulers'.
— para Pedreiras e Canteiros—Machinery, Quarrying.
— de Perfurar (para Metaes)—Machines, Perforating (for Metals).
— de Pesar—Machines, Weighing.
— de Pespontar ao longo de Beiras e Costuras—Machines, Overedge and Overseam.
— de Pespontar Calçado—Machinery, Shoe Stitching.
— a Petroleo—Engines, Oil.
— para Photo-calcos Azues — Machines, Blue Printing.
— para Photogravura—Machinery, Photo-Engravers'.
— para fazer machinismos de Piano—Machines, Piano Action.
— de Picar Comida—Choppers, Food.
— Pneumaticas de Alisar Superficies—Machines, Surfacing, Pneumatic.
— de Pregar Caixas—Machines, Box Nailing.

Machinas—*Continuação.*
— de Prensar Roupa—Machinery, Pressing, Garment.
— de Preparar Cereaes—Machinery, Cereal Preparing.
— de Preparar Chocolate — Machinery, Chocolate.
— de Preparar Lã—Machinery, Wool Handling.
— para Productos Chimicos — Machinery, Chemical.
— de Prova de Borracha—Testing Machines, Rubber.
— de Provar Minerio—Machinery, Prospecting.
— de Punccionar e Cortar—Machines, Punching and Shearing.
— para Rebocadores—Machines, Towing.
— de Rechear Salchichas—Stuffers, Sausage.
— de Refinar Banha—Machinery, Lard Refining.
— de Registrar—Machines, Registering.
— Registradoras—Machines, Registering.
— de Rendar—Machines, Knitting.
— de Rociar—Machines, Spraying.
— de Rociar Tinta e Leite de Cal—Machines, Paint and Whitewash Spraying.
— de Rolar Fios—Machines, Thread Rolling.
— de Rolar Velas de Cera e Fazer Pontas —Machines, Taper Rolling and Pointing.
— de Rotular—Machines, Labeling.
— de Segar e Ceifar—Machinery, Harvesting.
— de Sellar—Machines, Sealing.
— de Serrar Metaes Frios e Quentes—Machines, Metal Sawing, Hot and Cold.
— de Sommar—Machines, Adding.
— de Sulcar Metal—Metal Slotters.
— Tabulistas—Machines, Tabulating.
— de Tanoeiro—Machinery, Cooperage.
— de Tecer Arame — Machinery, Wire Weaving.
— de Tornear Fôrmas — Machinery, Last Turning.
— de Torrar Milho—Machinery, Corn Popping.
— de Tosar Tecidos—Machinery, Textile Shearing.
— de Trabalhar com Barro—Machinery, Clay Working.
— de Trabalhar Cortiça—Machinery, Cork.
— de Trabalhar Lã e Fabricar Artigos de Lã—Machinery, Wool and Woolen.
— de Trabalhar Madeira — Machinery, Wood Working.
— de Trabalhar Metaes—Machinery, Metal Working.
— de Trabalhar Metal para Arame—Machines, Wire Metal Working.
— de Trabalhar Metal em Folha—Machinery, Sheet Metal Working.
— de Trabalhar Pedra—Machinery, Stone Working.
— para Trabalhar com Tóros—Machinery, Logging.
— para Transmissão de Energia Electrica — Machinery, Power Transmission, Electrical.
— para Transmissão de Força—Machinery, Power Transmission.
— Transportatoras—Machinery, Conveying.
— de Transporte Automatico—Machinery, Haulage, Automatic.
— para Tratar Madeira—Machinery, Timber Treating.

Machinas—*Continuação.*
— de Triturar e Pulverizar—Machinery, Crushing and Pulverizing.
— do Typo Maritimo—Engines, Marine Type.
— de Unir Fios de Urdumes—Machines, Warp-Tying.
— a Vapor—Engines, Steam.
— a Vapor Semi-fixas e Locomoveis—Engines, Portable.
— a Vapor de Tracção—Engines, Traction.
— de Varrer para Linhas de Carros Publicos—Sweepers, Street Railway.
— de Varrer Ruas—Sweepers, Street.
— de Ventilar Farelo—Dusters, Bran.
— de dar Verniz de Laca—Machinery, Lacquering.
Machinismos para Manometros e Contadores—Movements, Gauge and Meter.
— para Retalhar—Machinery, Shredding.
Machinistas—Machinists.
Madeira de Abeto e Spruce (Pinheiro Manso)—Lumber, Fir and Spruce.
— de Bordo—Lumber, Maple.
— para Caixas de Charutos — Lumber, Cigar Box.
— de Cara—Lumber, Hickory.
— para Carruagens, Obra de—Woodwork, Carriage.
— de Carvalho—Lumber, Oak.
— de Cedro—Lumber, Cedar.
— de Choupo, Tilia e Poplus Monilifera—Lumber, Poplar, Basswood and Cottonwood.
— de Cicuta—Lumber, Hemlock.
— de Construcção—Lumber.
— Creosotadas—Lumber, Creosoted.
— Curvada—Wood, Bent.
— de Cypreste—Lumber, Cypress.
— Dura—Lumber, Hardwood.
— de Freixo—Lumber, Ash.
—, Liquidos de Rechear—Wood Fillers.
— de Mogno (Acajú)—Lumber, Mahogany.
— de Nogueira Preta—Lumber, Black Walnut.
—, Objectos de—Woodenware.
—, Obra Especial de—Woodwork, Special.
—, Obra Exterior de—Woodwork, Exterior.
—, Obra Interior de—Woodwork, Interior.
— de Olmo—Lumber, Elm.
— de Pinho Amarello — Lumber, Yellow Pine.
— de Pinho Branco—Lumber, White Pine.
— de Pinho Vermelho—Lumber, Red Pine.
— em Pranchas delgadas—Lumber, Thin Cut.
— de Sequoia—Lumber, Redwood.
— de Vidoeiro—Lumber, Birch.
Magnesio, Salicylato de—Magnesium, Salicylate.
Magnesita—Magnesite.
Magnetos—Magnetos.
Malas de Mão (de Couro)—Bags, Hand, Leather.
— de Mão para fato—Suit Cases.
— de Mão e Bolsas, Armações para — Frames, Bag and Purse.
— de Viagem—Bags, Traveling.
Malaxores de Productos Chimicos—Mixers, Chemical.
Malha, Artigos de—Knit Goods.
Malhos—Hammers, Sledge.
Malt (Cevada Fermentada)—Malt.
—, Extracto de—Malt Extract.
—, Tonico de—Malt Tonic.
Mancaes de Bronze—Bushings, Bronze.
Manchins (Catanas)—Hooks, Bush.
—, Catanas, Alfanges para Canna—Knives, Cane.

Mandrís—Mandrels.
— de Broca—Chucks, Drill.
— Magneticos—Chucks, Magnetic.
— para Plaina Mechanica—Chucks, Planer.
— de Torno—Chucks, Lathe.
Manejos para Cavallos—Horse-Powers.
Manganez—Manganese.
Mangas Incandescentes para Gaz—Mantels, Incandescent Gas.
Mangueiras—Hose.
Manicura, Instrumentos de—Manicure Sets.
Manometros de Vapor e Pressão de Ar—Gauges, Steam and Air Pressure.
Mantas de Carruagem—Carriage Cloths.
— de Carruagem e Guarda-Pós—Lap Robes and Dusters.
— para Cavallos—Blankets, Horse; *tambem* Clothing, Horse.
— Impermeaveis para Cavallos—Covers, Horse, Waterproof.
— de Viagem—Rugs, Steamer.
Manteiga—Butter.
— Artificial—Butter, Artificial.
— de Cacáo—Butter, Cocoa.
—, Celhas e Baldes para — Butter, Tubs and Kits.
Manteigueiras—Dishes, Butter.
Mappas e Cartas—Maps and Charts.
Marcadores para Cartazes—Markers, Sign.
— de Gado—Markers, Cattle.
— de Passagens para Ferro-carris—Registers, Street Car.
Margarina—Margarine.
Marmore—Marble.
—, Pó de—Marble Dust.
Martellos Calçados de Couro—Hammers, Hide Faced.
— de Cobre—Hammers, Copper.
— de Ferrador—Hammers, Farriers'.
— Magneticos—Hammers, Magnetic.
— de Mão—Hammers, Hand.
— Mechanicos—Hammers, Power.
— Pneumaticos—Hammers, Pneumatic.
Martinetes—Hammers, Drop.
Massa de Residuos de Caroço de Algodão—Cake, Cotton Seed.
— de Vidraceiro—Putty.
Materiaes de Confeitaria — Confectioners' Supplies.
— para Cortidores—Tanners' Supplies.
— para Empreiteiros — Contractors' Supplies.
— para Fabricas de Tecidos—Mills, Supplies, Textile.
— Industriaes para Fabricas — Mill Supplies, Industrial.
— para Mineração—Mining Supplies.
— á Prova de Fôgo para Construcções—Fireproof Materials for Buildings.
Material para Ferro-carris (bonds)—Street Railway Supplies.
— de Laboratorio—Laboratory Equipment.
Mausoleus—Monuments, Bronze.
— de Marmore—Monuments, Marble.
Maxillas de Prato de Torno—Jaws, Face Plate.
Mechas de Candieiro—Wicks, Lamp.
— de Mineiro—Wicking, Miners'.
Mecheiros de Candieiro—Burners, Lamp.
—, para Candieiros de Petroleo—Burners, Oil.
Medicamentos de Patente—Medicines, Proprietary.
Meias de Algodão—Hosiery, Cotton.
— de Fio d'Escocia—Hosiery, Lisle.
— de Fio de Lilla (Fio Brilhante)—Hosiery, Lisle.
— de Lã—Hosiery, Woolen.
— de Seda—Hosiery, Silk.
Meias—*Continuação.*
—, Suspensorios para—Hose Supporters.
Mel—Honey.
—, Secções e Quadros, Caixas para—Honey Boxes, Section and Frame.
Melaço—Molasses.
Mercerizadores—Mercerizers.
Mercuriaes—Mercurials.
Mercurio, Nitrato de—Mercury, Nitrate of.
Mergulhador, Apparelhos de—Diving Apparatus.
Mesas de Aço—Tables, Steel.
— de Bilhar e "Pool"—Tables, Billiard and Pool.
— de Cabeceira—Tables, Bedside.
— para Escriptorio, Bibliotheca, Sala, etc.—Tables, Office, Library, Parlor, etc.
— de Jantar—Tables, Dining Room.
—, Superficies de Esmalte de Porcelana para—Table Tops, Porcelain Enamel.
— com Tampa de Porcelana—Tables, Porcelain Top.
— de Transferencia—Tables, Transfer.
Metal Babbitt—Babbitt Metal.
— de Dourar—Gilding Metal.
— Embutido—Metal, Extruded.
— Estendido—Metal, Expanded.
— "Monel"—"Monel" Metal.
— Perforado—Metal, Perforated.
Methylena, Salicylato de—Methyl Salicylate.
Metralhadoras—Guns, Machine.
Microscopios—Microscopes.
Milho Estalado—Popcorn.
— Pilado—Hominy.
—, Productos de—Corn Products.
Minio—Lead, Red.
Mitenes de Couro—Mittens, Leather.
Mobilia—Furniture.
— de Armazem—Fixtures, Store.
— de Bibliotheca—Furniture, Library.
— para Café e Restaurante — Furniture, Cafe and Restaurant.
— de Cozinha—Furniture, Kitchen.
— para Dentista—Furniture, Dental.
— para Desenhadores — Furniture, Drafting.
— de Escola e Igreja—Furniture, School and Church.
— de Escriptorio—Furniture, Office.
— Estofada—Furniture, Upholstered.
— de Fibra—Furniture, Fibre.
— de Hospital—Furniture, Hospital.
— para Impressores—Furniture, Printers'.
— de Loja—Furniture, Lodge.
— Metallica—Furniture, Metal.
— de Missão—Furniture, Mission.
— de Officina—Furniture, Shop.
— de Palha—Furniture, Grass.
— de Quarto de Cama—Furniture, Bedroom.
— de Sala de Jantar—Furniture, Dining Room.
— de Salão e de Phantasia—Furniture, Parlor and Fancy.
— para Typographia—Furniture, Printers'.
— de Vestibulos—Furniture, Hall.
Mochos de Escriptorio (Bancos)—Stools, Office.
Modista, Artigos de—Millinery Goods.
Moedas, Apparelhos de Manejar—Coin Handling Apparatus.
—, Bandejas de Guardar — Coin Storage Trays.
Moendas de Canna—Mills, Cane.
Moinhos de Café—Mills, Coffee.
— para Cidra—Mills, Cider.
— para Drogas—Mills, Drug.

Moinhos—*Continuação.*
— de Milho e Forragem—Mills, Corn and Feed.
— para Milho Pilado e Massas de Milho—Mills, Hominy and Tortilla.
— para Minerio—Mills, Stamp.
— para Pedra de Esmeril—Mills, Emery Rock.
— de Pedra e Minerio—Breakers, Stone and Ore.
— para Tintas d'Oleo—Mills, Paint.
— de Vento—Windmills.
Molas para Automoveis—Springs, Automobile.
— de Borracha—Springs, Rubber.
— para Camas e Estofadores — Springs, Bed and Upholstery.
— de Carros e Carroças—Wagons, Spring.
— para Carros e Locomotivas—Springs, Car and Locomotive.
— para Carruagens e Carroças—Springs, Carriage and Wagon.
— (anilhas) de Embolo—Rings, Piston.
— Especiaes—Springs, Special.
— de Fechar Portas—Springs, Door.
— para Machinas—Springs, Machinery.
— para Relogios, Machinas d'Escrever, etc. —Springs, Clock, Typewriter, etc.
— de Rolos de Estore—Springs, Shade Roller.
Molduras de Madeira—Moldings, Wood.
— de Metal—Moldings, Metal.
— para Quadros—Moldings, Picture Frame.
Moldes para Borracha—Molds, Rubber.
— para Charutos—Molds, Cigar.
— de Cylindro—Molds, Cylinder.
— para Machinas—Patterns, Machinery.
— para Pneumaticos de Borracha—Molds, Rubber Tire.
Molho Picante de Legumes—Ketchup.
— de Tomates—Ketchup.
Môlhos de Prato—Sauces, Table.
Molybdeno, Metal—Molybdenum Metal.
Monorail, Systemas de—Monorail Systems.
Montras—Show Cases.
Monumentos de Bronze — Monuments, Bronze.
Morphina—Morphine.
Mós de Moinho—Mill Stones.
Mosaicos—Mosaics.
Mosquiteiros—Nettings, Mosquito.
— de Arame—Screens, Wire.
— de Janella—Screens, Window.
Mostarda—Mustard.
Motocycletas—Motorcycles.
—, Peças para—Motorcycle Parts.
Motometros—Motometers.
Motor, Peças de—Motor Parts.
—, Rodas de—Motor Wheels.
Motores a Accumuladores—Engines, Storage Battery.
— para Aeroplanos—Motors, Aeroplane.
— a Alcool—Engines, Alcohol.
— de Automovel—Engines, Automobile.
— de Bicycleta—Motors, Bicycle.
— Diesel a petroleo—Oil, Diesel Engine.
— a Distillado—Engines, Distillate.
— Electricos—Motors, Electric.
— a Força Animal—Horse-Powers.
— Hydraulicos—Motors, Water.
—, Molas para—Motors, Spring.
— para Phonographo—Motors, Phonograph.
Moutões (*vide* Pulias)—Wheels, Sheave.
— para Cabos de Arame—Blocks for Wire Rope.
— de Poleame—Blocks, Tackle.
Moveis para Balcão de Licores—Fixtures, Bar.

Moveis—*Continuação.*
— para Bancos e Escriptorios—Fixtures, Bank and Office.
— de Campo e Relva—Furniture, Camp and Lawn.
Moxos de Aço para Fabricas—Stools, Factory, Steel.
— para Piano e Orgão—Stools, Piano and Organ.
Mucilagem e Colla—Mucilage and Paste.
Muletas—Crutches.
Multigraphos—Multigraphs.
Munições para Espingardas, etc.—Ammunition, Small Arms.
Musica, Editores de—Music Publishers.
—, Pastas para—Music Carriers.

Naphta—Naphtha.
Naphtalina—Naphthaline.
Navalhas de Barba—Razors.
— de Ceifeira e Gadanha—Knives, Mower and Reaper.
— de Machina de Fresar—Cutters, Milling.
— para Machinas—Knives, Machine.
— de Segurança para Barba — Razors, Safety.
Navios de Ferro e de Aço—Ships, Iron and Steel.
—, Fornecimentos para—Ship Chandlery.
— de Madeira—Ships, Wooden.
Negro de Fumo—Lamp Black.
Neve, Charruas e Varredores para Remover—Snow Plows and Sweepers.
"Nichrome"—"Nichrome."
Nickel Benedict—Benedict Nickel.
— em Varinha, Folha e Tiras—Nickel, Rod, Sheet and Strip.
Nickel-Prata—Nickel Silver.
—, Artigos de—Nickel-Silver Goods.
Nitrato de Ferro—Iron Nitrate.
Nitro-Cellulose—Nitro Cellulose.
Niveis—Levels.
Niveladores de Caminhos—Scrapers, Road and Drag.
— de Terra e Caminhos—Rollers, Land and Road.
Nivelamento de Estradas, Arados para—Plows, Contractors' and Grading.
Nogueira da America—Lumber, Hickory.
— de Páu Setim—Lumber, Satin Walnut.
Novidades em Aluminio—Novelties, Aluminum.
— em Arame—Novelties, Wire.
— em Artigos Prateados—Novelties, Silver Plated.
— em Bijouteria—Novelties, Jewelry.
— de Borracha—Novelties, Rubber.
— de Celluloide—Novelties, Celluloid.
— de Couro—Novelties, Leather.
— Electricas—Novelties, Electric.
— de Madeira—Novelties, Wood.
— de Metal—Novelties, Metal.
— em Mobilia—Furniture, Novelty.
— em Objectos de Prata—Novelties, Silver.
—, em Ouro e Platina—Novelties, Gold and Platinum.
— de Papel—Novelties, Paper.
— de Vidro—Novelties, Glass.
Nozes—Nuts, Edible.

Obra de Marceneiro—Cabinet Work.
— Metallica de Arame—Metal Work, Wire.
— Ornamental de Metal—Metal Work, Ornamental.
Obras d'Aguas, Materiaes para—Water Works Supplies.
— d'Arte, Editores de—Art Publishers.
— d'Arte de Metal—Art Metal Goods.

Obturadores Photographicos—Shutters, Photographic.
Oleado para Automovel e Carruagem—Oilcloth, Automobile and Carriage.
— para Mesa e Sobrado—Oilcloth, Floor and Table.
Oleadores de Caminhos—Road Oilers.
Oleo—Oil, Oleo.
— de Anilina—Oil, Aniline.
— para Arreios—Oil, Harness.
— de Banha—Oil, Lard.
— de Batata (Alcohol Amylico)—Oil, Fusel.
— de Caroço de Algodão — Oil, Cotton Seed.
— Combustivel—Oil, Fuel.
— para Cortamento—Oil, Cutting.
— de Cortidor—Oil, Tanners'.
— de Creosote—Oil, Creosote.
— Crú—Oil, Crude.
— (e Sebo) para Eixos—Oil (and Grease), Axle.
— Illuminante—Oil, Illuminating.
—, Instrumentos de Prova para—Oil Testing Instruments.
— de Linhaça—Oil, Linseed.
— de Mamona—Oil, Castor.
— de Mão de Vacca—Oil, Neatsfoot.
— de Milho—Oil, Corn.
— de Peixe—Oil, Fish.
— de Pinho—Oil, Pine.
— de Ricino—Oil, Castor.
— Soluvel—Oil, Soluble.
— para Tinta—Oil, Paint.
— de Untar Cascos de Bestas—Oil, Hoof.
— Vermelho—Oil, Red.
— Vermelho da Turquia—Oil, Turkey Red.
Oleos Essenciaes—Oils, Essential.
— Vegetaes—Oils, Vegetable.
Oleum—Oleum.
Ollaria—Pottery.
Omnibus Automoveis — Omnibuses, Automobile.
Optica, Artigos de—Optical Goods.
Orchestriões—Orchestrions.
Orgãos—Organs.
Osso, para Acerar Ferro, Pó de—Bone, Raw, for Case Hardening.
Ossos—Bones.
Ouro Dental—Gold, Dental.
—, fino e Liga de Ouro—Gold, Fine and Alloyed.
Ovelhas, Banhos Insecticidas para—Sheep Dip.
Ovos, Conductores de—Egg Carriers.
— em Latas—Eggs, Canned.
Oxy-Acetylene, Apparelhos de Soldar e Cortar a—Oxy-Acetylene Welding and Cutting Apparatus.
Oxy-Hydrogenio, para Soldar e Cortar, Apparelhos de — Oxy-Hydrogen Welding and Cutting Apparatus.
Oxygenio—Oxygen.
Ozonizadores—Ozonators.

Padaria, Productos de—Bakery Products.
Padeiros, Materiaes para—Bakers' Supplies.
Paioes para Polvora—Magazines, Powder.
Palitos—Toothpicks.
Panellas de Aço—Hollow-Ware, Steel.
— de Cobre—Hollow-Ware, Copper.
— Esmaltadas—Hollow-Ware, Enameled.
— de Ferro Fundido—Hollow-Ware, Cast Iron.
— de Folha de Ferro—Hollow-Ware, Sheet Iron.
— de Nickel-Prata—Hollow-Ware, Nickel Plated.
Panellas—*Continuação.*
— de Padeiro—Pans, Bakers'.
Panno "Art Kona"—Art Kona Cloth.
— de Asbesto—Cloth, Asbestos.
— para Barretes (Bonés)—Cloth, Cap.
— Entrançado—Cloth, Terry.
— Grosso de Algodão para Toalhas—Cotton Huck and Crash.
— Impermeavel—Cloth, Waterproof.
— Inglez Fino e Largo—Broadcloth.
— e Papel para Calcar e Traçar—Tracing Cloth and Paper.
Pannos "Cottonade" de Algodão—Cottonades.
— para Lavar a Cara—Wash Cloths.
— para Uniformes—Cloth for Uniforms.
Papeis para Copias Multiplas—Manifolding Stationery.
Papel de Asbesto—Paper, Asbestos.
— de Biblia—Paper, Bible.
— para Caixas de Dobrar—Paper, Folding Box.
— de Calcar—Paper, Pouncing.
— para Camada de Carvão e Copias Multiplices—Paper, Carbon-Coating and Manifolding.
— para Capas—Paper, Cover.
— de Cartucho—Paper, Cartridge.
— Carvão—Paper, Carbon.
— de Casca de Cebola—Paper, Onion Skin.
— para Construcções—Paper, Building.
— de Copiar—Paper, Copying.
— de Corda—Paper, Rope.
— de Côres—Paper, Colored.
— de Crepe—Paper, Crepe.
— de Desenho—Paper, Drawing.
— de Embrulhar—Paper, Wrapping.
— Encerado—Paper, Waxed.
— Engessado—Paper, Coated.
— por Engessar—Paper, Coating.
— Enrugado—Paper, Corrugated.
— Enrugado, Especialidades em—Paper Specialties, Corrugated.
— para Envelopes—Paper, Envelope.
— d'Escrever—Paper, Writing.
— Esmaltado—Paper, Enameled.
—, Especialidades em—Paper Specialties.
— para Etiquetas—Paper, Label; *tambem* —Paper, Tag.
— de Expresso—Paper, Express.
— de Fibra—Paper, Fibre.
— para Filtrar—Paper, Filter.
— "Glassine"—Paper, Glassine.
— Gommado—Paper, Gummed.
— Impermeavel—Paper, Waterproof.
— Impermeavel, Especialidades em—Paper Specialties, Waterproof.
— da India—Paper, India.
— Isolador—Paper, Insulating.
— para Jornaes—Paper, News.
— "Kraft"—Paper, Kraft.
— de Linho—Paper, Linen.
— Lithographico—Paper, Lithograph.
— para Livro Razão—Paper, Ledger.
— para Livros—Paper, Book.
— para Machinas de Sommar—Paper, Adding Machine.
—, Maços de—Tables, Paper.
— de Manilha—Paper, Manila.
— para Mappas—Paper, Map.
— Mataborrão—Paper, Blotting.
— Mata-Moscas—Fly Paper.
— Materias para Fabricação—Paper Stock.
— para Matrizes de Estereotypia—Paper, Stereotype Matrix.
— para Moldes e Padrões—Paper, Pattern.
— de Mortalhas para Cigarros—Paper, Cigarette.

Papel—*Continuação.*
— de Musica—Paper, Music.
— Pergaminho—Paper, Parchment.
— de Pergaminho Vegetal—Paper, Vegetable Parchment.
— Photographico—Paper, Photographic.
— em Relevo—Paper, Embossed.
— de Retrete—Paper, Toilet.
— de Seda—Paper, Tissue.
—, Seguradores e Cortadores de Rolos de—Paper Holders and Cutters, Roll.
— para Telhados—Paper, Roofing.
Papelão para Bahús—Board, Trunk.
— para Caixas—Box Boards.
— "Compo"—Compo-Board.
— Enrugado—Board, Corrugated.
— Grosso de Asbesto—Millboard, Asbestos.
— de Palha—Strawboard.
Papelaria—Stationery.
—, Artigos de Borracha para—Stationers' Rubber Goods.
—, Artigos Metallicos para — Stationers' Hardware.
Paraffina—Paraffine.
Paraforma—Paraform.
Paraformaldehyde—Paraformaldehyde.
Parafusos de Cabeça Quadrada — Screw Tops.
— de Cabeça Quadrada e Tirafundos—Screws, Coach and Lag.
— Especiaes—Screws, Special.
— para Machinas e Apertadores—Screws, Machine and Set.
— para Madeira—Screws, Wood.
—, Productos de Machinas de fazer—Screw Machine Products.
—, Tarrachas para—Screw Plates.
Para-Raios para Apparelhos Electricos—Lightning Arresters.
Pás de Cavar—Shovels and Spades.
— de Fogão—Shovels, Stove.
Passas—Raisins.
Pastas Italianas—Noodles.
Pastilhas Medicinaes—Tablets, Medicinal.
— para Tosse—Cough Drops.
Páu Setim—Lumber, Satinwood.
Paus de Boleia—Whiffletrees, Wood.
Pavimentar, Materias para—Paving Materials.
Pavios para Velas—Wicking, Candle.
Peças d'Aço para Instrumentos Agricolas—Steel Shapes, Agricultural.
— Estampadas de Aço—Stampings, Steel.
— Forjadas a Martinete—Forgings, Drop.
— de Fundição de Aço—Castings, Steel.
— de Fundição Agricolas—Castings, Agricultural.
— de Fundição Architectonicas—Castings, Architectural.
— de Fundição de Bronze—Castings, Bronze.
— de Fundição para Carros — Castings, Car.
— de Fundição para Carruagem—Castings, Carriage.
— de Fundição para Engenharia—Castings, Engineering.
— de Fundição para Equipamento de Trilhos—Castings, Railroad Track Equipment.
— de Fundição de Ferro—Castings, Iron.
— de Fundição de Ferro Malleavel—Castings, Malleable Iron.
— de Fundição de Latão—Castings, Brass.
— de Fundição para Locomotivas—Castings, Locomotive.
— de Fundição de Manganez—Castings, Manganese.

Peças—*Continuação.*
— de Fundição de meio-Aço—Castings, Semi-Steel.
— de Fundição de Metal de Composição—Castings, Composition Metal.
— Fundidas de Aço-Chromo — Castings, Steel, Chrome.
— Fundidas de Aço-Nickel — Castings, Steel, Nickel.
— Fundidas de Cobre—Castings, Copper.
— Fundidas de Ferro e Aço Vanadio—Castings, Vanadium, Iron and Steel.
— Fundidas em Matrizes—Castings, Die.
— Fundidas de Prata Allemã—Castings, German Silver.
Pedestaes de Marmore—Pedestals, Marble.
Pedra Britada, para Construcção—Stone, Broken, for Contractors.
— de Cal—Limestone.
— para Construcções—Stone, Building.
— Pomes, Tripe, etc.—Stone, Pumice, Rotten, etc.
Pedras de Afiar—Hones.
— de Afiar a Oleo—Oil Stones.
— de Ardosia em Forma de Livro—Slates, Book.
— e Pannos Pretos de Collegio—Blackboards and Blackboard Cloth.
Pega-Papeis—Clips, Paper.
Pegamento para Correias de Couro—Cement, Leather Belt.
Peixe em Latas—Fish, Canned.
Pelles—Furs.
— de Chapeleiro—Furs, Hatters'.
— Imitação de—Furs, Imitation.
Pelliculas Transparentes para Photographia—Films, Transparent, Photographic.
Pellucia de Algodão—Plush, Cotton.
— de Lã—Plush, Wool.
— de Pello de Cabra—Plush, Mohair.
— de Seda—Plush, Silk.
Peltre (Zinco em Linguados)—Spelter.
Penduradores de Roupa—Hangers, Clothing.
Peneiras para Farinha—Sieves and Sifters, Flour.
Peneiros e Separadores de Farinha—Bolters and Graders for Flour.
Pennas d'Aço—Pens, Steel.
Pentes de Borracha—Combs, Rubber.
— de Celluloide—Combs, Celluloid.
Perfumes e Extractos—Perfumes and Extracts.
Perfuradores de Papel—Perforators, Paper.
— "Star"—Drills, Star.
Periodicos—Periodicals.
Pernas Artificiaes—Artificial Limbs.
— de Cortiça—Cork Legs.
Peroxido de Hydrogenio — Hydrogen Peroxide.
Persevejos de Desenhador—Tacks, Thumb.
Pertences de Frigoriferos—Trimmings, Refrigerator.
Pesca, Artigos de—Fishing Tools.
—, Utensilios de—Fishing Tackle.
Pesos e Medidas do Systema Legal—Weights and Measures, Standard.
Petrolato—Petrolatum.
— e seus Derivados—Petroleum and its Products.
Petroleo d'Illuminação—Oil, Illuminating.
Pez—Pitch.
— de Vela—Pitch, Candle.
Phaetons—Phaetons.
Pharmacia, Artigos de Borracha para—Druggists' Sundries, Rubber.
Phonographo—Phonographs.
—, Discos de—Phonograph Records.

Phosphato, Pedra de—Phosphate Rock.
Phosphatos Culinarios e Medicinaes—Phosphates, Culinary and Medicinal.
Photo-calço, Panno para—Blue Print Cloth.
Photo-Lithographos—Photo-Lithographers.
Photographias, Cartões para Montar—Photograph Mounts.
Photographica, Materiaes para Impressão—Photoprinting Materials.
Photographicos, Apparelhos e Materiaes—Photographic Apparatus and Supplies.
Piano Automatico, Accessorios para—Piano Playing Attachments.
—, Chapas de—Piano Plates.
—, Martellos de—Piano Hammers.
Pianos—Pianos.
— Automaticos—Player-Pianos.
—, Capas para—Piano Covers.
— Electricos—Pianos, Electric.
—, Machinismos de—Piano Actions.
Pias e Celhas de Aço—Sinks and Troughs, Steel.
— e Celhas de Ferro Fundido—Sinks and Troughs, Cast Iron.
— de Ferro Esmaltado—Sinks, Enameled Iron.
— de Porcelana Massiça—Sinks, Solid Porcelain.
Pica-Lançadeiras de Tear, de Couro Crú—Loom Pickers, Rawhide.
Picadores de Carne—Cutters, Meat.
— de Tabaco—Cutters, Tobacco.
Picaretas—Picks.
Picões—Picks.
Pilhas de Borracha Dura—Battery Cells, Hard Rubber.
—, Vasos para—Jars, Battery.
Pilulas—Pills.
Pinças—Pliers.
Pinceis (Brochas) de Barba — Brushes, Shaving and Tooth.
— (Brochas) de Pintor—Brushes, Paint.
Pingadeiras para Officina e Fabrica—Pans, Shop and Factory.
Pinho da Carolina do Norte — Lumber, North Carolina Pine.
Pinos de Sapateiro—Pegs, Shoe.
Pipa, Aduelas de Madeira para — Pipe, Wood Stave.
Pistolas—Pistols.
Plainas e Ferros de Plaina—Planes and Plane Irons.
— Mechanics para Mareira—Planers, Wood.
Plantadores de Amendoim—Planters, Peanut.
Plataformas de Carros—Platforms, Car.
Platina em Folha—Platinum, Sheet.
Plombagina—Graphite.
Pneumaticos, Accessorios para — Tire Accessories.
— para Aeroplano—Tires, Aeroplane.
—, Tecidos para—Tire Fabrics.
Pó, Apparelhos de Colher—Dust Collectors.
Poços de Petroleo, Apparelhos para—Oil Well Apparatus.
Polainas—Gaiters.
— de Malha de Lã—Leggins, Woolen Knit.
— Variadas—Leggins and Puttees.
Polés (Tambores) (*vide* Pulias) de Ferro Fundido—Pulleys, Cast Iron.
Policia, Automoveis de—Police Patrols, Automobile.
—, Equipamento para—Police Department Equipments.
Polme de Madeira (Chimico)—Pulp, Wood (Chemical).
— de Madeira (Moido) — Pulp, Wood (Ground).
Polvora—Gunpowder.
Pontas de Pariz—Nails, Wire.
Ponteiras de Borracha para Muletas—Rubber Tips for Crutches.
Porcelana de Laboratorio—Porcelain, Laboratory.
Portaferramentas de Machinas—Heads, Cutter.
Porta-Guarda-Chuvas—Umbrella Holders.
Porta-Papel de Retrete — Holders, Toilet Paper.
Portas de Bronze e de Ferro — Doors, Bronze and Iron.
—, Caixilhos e Venezianas — Doors, Sash and Blinds.
— d'Enrolar—Shutters, Rolling.
— de Ferro e de Aço—Doors, Iron and Steel.
— Folheadas—Doors, Veneered.
— de Frigorificos—Doors, Cold Stoarge.
— contra Incendios—Doors, Fire.
— e Persianas de Aço, de Enrollar—Doors and Shutters, Steel Rolling.
— de Segurança de Ferro e Aço—Shutters, Iron and Steel .
— de Vestibulo e para Tempestade—Doors, Vestibule and Storm.
Pós de Branquear Tecidos — Powder, Bleaching.
— de Lavar Roupa—Powder, Washing.
— de Limpar—Powder, Scouring.
— de Polir—Powder, Polishing.
— de Sabão—Soap Powders.
— de Toilet e Dentifricios—Powders, Toilet and Tooth.
Postes para Carros Electricos e Luz Electrica—Poles, Trolley and Electric Light.
— de Ferro—Posts, Iron.
—, Remates e Bases para—Post Caps, and Bases.
— Telegraphicos—Poles, Telegraph.
Potassa—Potash.
—, Bichromato de—Potassium Bichromate.
Potassio, Bromureto e Iodureto de—Potassium Bromide and Iodide.
—, Cyanureto de—Potassium Cyanide.
Potes de Vidro, para Leite—Jars, Milk, Glass.
Prancha de Parede—Board, Wall.
Prata Allemã, Artigos de—German Silver Goods.
— Allemã, Folha e Arame de—German Silver, Sheet and Wire.
— em Barra—Silver Bullion.
—, Fina e Ligada—Silver Fine and Alloyed.
— Granulada—Silver Granulated.
Prateleiras de Aço (Estantes)—Shelving, Steel.
—, Supportes para—Brackets, Shelf.
Pregos de Arame—Nails, Wire.
— para Botes, Caes, etc.—Spikes, Boat, Wharf, etc.
— Cobertos com Cimento—Nails, Cement Coated.
— Cortados—Nails, Cut.
— para Estradas de Ferro—Spikes Railroad.
— e Tachas de Cobre—Nails and Tacks, Copper.
— e Tachas de Latão—Nails and Tacks, Brass.
Prelos—Presses, Printing.
— Mechanicos—Presses, Power.
Prendedores de Roupa, para Estendedouro—Pins, Clothes.

Prensas para Azeite—Presses, Oil.
— para Banha—Presses, Lard.
— para Carvão Electrico—Presses, Carbon, Electric.
— Copiadoras de Cartas—Presses, Letter Copying.
— de Cunhos—Presses, Die.
— de Dourar (para Encadernadores)—Presses, Gilding (for Bookbinders).
— para Endireitar Eixos—Presses, Arbor.
— de Enfardar—Presses, Baling.
— de Enfardar Algodão—Presses, Cotton.
— d'Enfardar Feno—Presses, Hay Baling.
— d'Estampar e Formar—Presses, Stamping and Forming.
— d'Estampar em Relevo — Presses, Embossing.
— de Estirar—Presses, Drawing.
— para Forjar Bombas a Metralha—Presses, Shrapnel Forging.
— para Frutas, Vinho e Geleia—Presses, Fruit, Wine and Jelly.
— Hydraulicas—Presses, Hydraulic.
— de Pedal—Presses, Foot.
— de Roupa para Alfaiate—Presses, Tailors', for Garments.
— para Sebo—Presses, Tallow.
— de Talhar Flôres Artificiaes—Presses, Artificial Flower Cutting.
— de Varas de Balas—Presses, Bullet Rod.
Preparados Pharmaceuticos—Pharmaceutical Preparations.
Preservativo para Couro — Preservative, Leather.
Presuntos—Hams.
Productographos—Productographs.
Productos Biologicos—Biological Products.
— de Magnesia—Magnesia Products.
Protectores de Cheques—Check Protector.
Prussiato de Potassa—Prussiate of Potash.
— de Soda—Prussiate of Soda.
Pudins—Puddings.
Pulias d'Aço Forjado—Pulleys, Steel (All Wrought).
— Conicas—Pulleys, Cone and Step.
— de Face d'Aço—Pulleys, Steel Face.
— de Ferro com Aro de Madeira—Pulleys, Iron, Wood-Rim.
— de Ferro Fundido—Pulleys, Cast Iron.
— de Fricção—Pulleys, Friction.
— de Motor—Pulleys, Motor.
— de Papel—Pulleys, Paper.
— Partidas de Ferro—Pulleys, Iron, Split.
— Partidas de Madeira — Pulleys, Wood, Split.
Pulpitos—Pulpits.
Pulseiras de Ouro e Casquinha de Ouro—Bracelets, Gold and Gold Filled.
Pulverisadores—Atomizers.
Puncções de Alavanca—Punches, Lever.
— Centradores—Punches, Center.
— a Força Mechanica—Punches, Power.
— para Gado—Punches, Cattle.
— para Papel—Punches, Paper.
Punhos de Linho—Cuffs, Linen.
Purificadores de Agua—Purifiers, Water.
— de Azeite (Oleo)—Purifiers, Oil.
Puxadores de Gaveta—Pulls, Drawer.
— de Porta—Knobs, Door; *tambem* Pulls, Door.
Pyjamas—Pajamas.
Pyralina—Pyralin.
Pyrometros—Pyrometers.

Quadrados Artisticos—Art Squares.
Quadros, Costa para—Picture Backs.
— de Distribuição—Boards, Panel.
Quadros—*Continuação.*
—, de Distribuição Electricos (para Telephones, Illuminação, etc.)—Switch-Boards, Electric (Telephone, Light, etc.).
— para Gravuras—Frames, Picture.
— de Photographo—Frames, Photograph.
Queijaria, Materiaes para—Creamery Supplies.
Quinina—Quinine.

Radiadores de Automovel e Aeroplano—Radiators, Automobile and Aeroplane.
— de Vapor e Agua Quente—Radiators, Steam and Hot Water.
Radio—Radium.
Ráfia—Raffia Grass.
Raios X, Apparelhos de—X-Ray Outfits.
— X, Chapas para—X-Ray Plates.
Ralos de Entrada—Strainers, Intake.
Rampas para Caes—Wharf Drops.
Raspadeiras para Caixas e Armarios—Scrapers, Box and Cabinet.
Raspadores de Gelo—Shaves, Ice.
Rastilhos de Segurança, para Rebentar Rocha—Fuse, Safety, Blasting.
Rebocadores—Tugs.
Rebolos—Grindstones.
Receptaculos de Papel—Containers, Paper.
Receptores Soldados—Receivers, Welded.
— de Telegraphia sem Fios — Receivers, Wireless Telegraph.
Recipientes de Ar—Receivers, Air.
Reclame, Novidades para—Novelties, Advertising.
Recreio, Fornecedores de Artigos para—Amusement Outfitters.
Redes—Hammocks.
— de Algodão—Nets, Cotton.
— para Chapeo—Nets, Hat.
— para Cortinas—Nets, Curtain.
— para Vestidos—Nets, Dress.
Refinadores de Ouro e Prata — Refiners, Gold and Silver.
— de Platina—Refiners, Platinum.
Reflectores—Reflectors.
— de Vidro Azougado—Reflectors, Silvered Glass.
Regadores de Relva e Plantas—Sprinklers, Lawn and Plant.
Registradores de Tempo e Custo—Recorders, Time and Cost.
Registros de Ar Quente—Registers, Hot Air.
— Autographicos—Registers, Autographic.
— de Contas—Registers, Account.
— de Tomar o Ponto—Registers, Time.
Régoas de Aço—Rules, Steel.
— de Madeira para Mechanicos — Rules, Wooden, Mechanics'.
Reguladores de Alimentação d'Agua—Regulatòrs, Feed-Water.
— de Bomba—Governors, Pump.
— Electricos — Controllers, Electric; *tambem* Regulators, Electric.
— Hydraulicos—Governors, Hydraulic.
— de Pressão d'Agua—Regulators, Water Pressure.
— de Pressão de Gaz—Regulators, Gas Pressure.
— de Temperatura—Controllers, Temperature.
— de Tiragem de Chaminés—Regulators, Damper.
— de Vapor—Regulators, Steam.
Relogio, Isoladores de—Watch Insulators.
— Peças de—Clock Parts.

Relogios—Clocks.
— de Algibeira—Watches.
—, Caixas de—Watch Cases.
— para Guardas—Clocks, Watchmen's.
—, Machinismos de—Watch Movements.
Rendas de Algodão e de Seda—Laces, Silk and Cotton.
Resfriadores para Agua—Coolers, Water.
— para Cerveja, Vinho, Leite, etc—Coolers, Beer, Wine, Milk, etc.
Resina—Rosin.
Retortas para Gaz—Retorts, Gas.
Retretes—Water Closets.
— para Carros (Ferro-Viarios)—Water Closets, Railway Car.
Retrozes—Silk, Sewing and Embroidery.
Revestimento de Barro para Poços—Casing, Well, Clay Pipe.
— de Ferro Forjado — Casing, Wrought Iron.
Revolvers—Revolvers.
Rifles—Rifles.
Ripas—Shingles.
— de Asphalto—Shingles, Asphalt.
— Metallicas—Shingles, Metal.
Riscadilhos finos de Algodão—Cotton Ginghams.
Riscados de Algodão—Cotton Drills.
Rociadores Insecticidas—Sprayers, Insecticide.
Rodadores para Automoveis—Turntables, Automobile.
Rodados de Carro—Trucks, Wagon.
Rodagens d'Aço para Carros de Lavoura—Gears, Steel, Farm and Teaming.
Rodas de Aço para Camiões — Wheels, Truck, Steel.
— de Aço Prensado — Wheels, Pressed Steel.
— de Alundum e Crystolon—Wheels, Alundum and Crystolon.
— de Arame e Metal—Wheels, Wire and Metal.
— com Aros de Borracha—Wheels, Rubber-Tired.
— de Automovel—Wheels, Automobile.
— de Carbolito—Wheels, Carbolite.
— de Carborundum — Wheels, Carborundum.
— de Carbureto de Silicio—Wheels, Carbide of Silicon.
— de Carro e Locomotiva—Wheels, Car and Locomotive.
— de Carros para Minas—Wheels, Mine Car.
— Dentadas, para Transmissão de Correntes—Wheels, Sprocket.
— de Esmeril e Corindon—Wheels, Emery and Corundum.
— para Impulso d'Agua—Wheels, Impulse Water.
— para Instrumentos Agricolas—Wheels, Agricultural Implement.
— de Leme—Wheels, Steering.
— de Lixar—Wheels, Abrasive.
—, Peças de Madeira para—Wheel Parts, Wood.
—, Peças Metallicas para — Wheel Parts, Metal.
— de Polir e Brunir—Wheels, Polishing and Buffing.
— de Polir Couro — Wheels, Polishing, Leather.
— de Trolley e Harpas—Trolley Wheels and Harps.
— para Vehiculos de Madeira—Wheels Wooden Vehicle.
Rodizios para Carrinhos—Casters, Truck.
— para Mobilia e Bahús—Casters, Furniture and Trunk.
Roldanas para Moutões—Sheaves, Tackle Block.
— para Vidraças—Pulleys, Sash.
Rolhas—Stoppers.
— e Especialidades de Cortiça—Corks and Cork Specialties.
Rolos de Abrir Filigrana—Dandy Rolls.
— de Aço—Rolls, Steel.
— de "Adamite"—Rolls, "Adamite."
— para Fabrica de Tubos—Rolls, Tube Mill.
— Forrados de Borracha—Rolls, Rubber Covered.
— de Musica para Piano Automatico—Rolls, Player-Piano.
— de Triturar Carvão e Minerio—Rolls, Coal and Ore Breaker.
— a Vapor para Aplanar Caminhos—Rollers, Steam Road.
Rotulos—Labels.
Roupa de Cama—Bedding.
— para Crianças—Clothing, Children's.
— de Homem e Rapaz—Clothing, Men's and Boys'.
— Impermeavel—Clothing, Waterproof.
— Interior para Athletas—Underwear, Athletic.
— Interior para Creancinhas—Underwear, Infants'.
— Interior de Lã — Underwear, Woolen, Knit.
— Interior de Malha de Algodão—Underwear, Cotton, Knit.
— Interior de Malha de Seda — Underwear, Silk, Knit.
— Interior de Musselina para Creanças—Underwear, Children's Muslin.
— Interior de Musselina, para Senhora—Underwear, Women's Muslin.
— Interior de Seda, para Senhora—Underwear, Women's Silk.
— Interior Tecida para Homem e Rapaz—Underwear, Cloth, Men's and Boys'.
— de Lona (Brim)—Clothing, Duck.
— "Mackinaw"—Clothing, Mackinaw.
— de Operario—Clothing, Workingmen's.
Roupões de Banho—Bath Robes.

Sabão de Alimpar e Esfregar—Soap, Scouring and Scrubbing.
—, Apparelhos para Fabricantes de—Soap-makers' Apparatus.
— para Arreios—Soap, Harness.
— de Azeite Doce—Soap, Olive Oil.
— para Industrias de Tecelagem—Soap for Textile Industries.
— para Lavanderia—Soap, Laundry.
—, Materiaes para—Soap Stock.
— Medicado—Soap, Medicated.
— de Oleo de Caroço d'Algodão—Soap, Cotton Oil.
— de Oleo de Linhaça—Soap, Linseed Oil.
Sabonetes—Soap, Toilet.
Saca-Pregos e Saca-Grampos—Pullers, Nail and Staple.
Saca-Rolhas—Cork Pullers.
Sacaboccados para Ilhós de Correias—Punches, Belt.
— de Inutilisar Bilhetes—Punches, Ticket.
— para Papel—Punches for Paper.
Saccharina—Saccharine.
Saccos de Algodão—Bags, Cotton.
—, Apparelhos de Supportar (Porta-saccos)—Bag Holders.
— de Canhamaço—Bags, Burlap.

Saccos—*Continuação.*
— para Carvão—Bags, Coal.
— para Collarinhos e Punhos—Bags, Collar and Cuff.
— de Correio—Mail Bags.
— sem Costura—Bags, Seamless.
— para Farinha—Bags, Flour.
— de Filtrar—Bags, Filter.
— de Juta—Bags, Jute.
— de Lona—Bags, Duck.
— de Papel—Bags, Paper.
— para Remessa de Encommendas Postaes —Bags, Parcel Post Mailing.
Sachos—Weeders.
Saes de Cheiro—Salts, Smelling.
— Medicinaes—Salts, Medicinal.
— Ammoniaco—Sal Ammoniac.
— Branco, Pão de—Salt Cake.
"Sal Hepatica" (Saes Hepaticos)—Sal Hepatica.
Salamandras—Salamanders.
Salitre—Saltpetre.
— Crú (Nitro em Massa)—Nitre Cake.
Salol—Salol.
Salpicadores de Pós Insecticidas—Sprayers, Insect Powder.
Saltos, Dianteiros e Trazeiros, para Ferraduras—Calks, Heel and Toe, for Horse Shoes.
Salva-Vidas, Apparelhos de—Life-Saving Appliances.
Sanitarios Maritimos, Artigos—Sanitary Fittings, Marine.
Sapatilhos para Cabos d'Arame—Thimbles, Wire Rope.
Sapatos de Escadas de Segurança—Ladder Shoes, Safety.
Sarjas—Serges.
Sarnifugos—Sheep Dip.
Sarrafos—Lath.
Sêbo—Tallow.
Seccadores de Ar—Dryers, Air.
— de Areia—Dryers, Sand.
— para Carvão—Dryers, Coal.
— Centrifugos—Dryers, Centrifugal.
— de Pannos e Feltro—Dryers, Cloth and Felt.
— de Papel—Dryers, Paper.
— de Tabaco—Dryers, Tobacco.
— de Tijolos e Madeira—Dryers, Brick and Lumber.
— de Tinta d'Escrever—Dryers, Ink.
— de Tinta d'Oleo e Verniz — Dryers, Paint and Varnish.
Seccar Adubos, Machinas de—Dryers, Fertilizers.
—, Apparelhos de Vacuo para—Drying Apparatus, Vacuum.
— a Vapor, Apparelhos de—Drying, Apparatus, Steam.
Secretárias de Escola—Desks, School.
— para Machina d'Escrever—Desks, Typewriter.
—, Planas e de Coberta Corrediça—Desks, Flat and Roll Top.
— (Carteiras) de Sala—Desks, Parlor.
Seda e Algodão Misturados, Tecidos de—Silk and Cotton Mixed Fabrics.
— Artificial—Silk, Artificial.
—, Chiffons de—Silk Chiffons.
— e La Misturadas, Tecidos de—Silk and Wool Mixed Fabrics.
Sedas, para Guarda-Chuvas, Cirurgicas e Isoladoras—Silks, Umbrella, Surgical and Insulating.
— Torcidas—Silk, Thrown.
Segura-Papeis—Fasteners, Paper.
Segura-Porcas—Locks, Nut.
Sellaria, Tecidos de—Saddlery Goods, Web.
Sellarias—Saddlery.
Sellos Metallicos—Seals, Metal.
Semeadores de Grãos—Drills, Grain.
— á Mão—Seeders, Hand.
— de Milho, Algodão, Batatas, etc.—Planters, Corn, Cotton, Potato, etc.
— para Sementes—Sowers, Seed.
Sementes de Horta e Campo—Seeds, Garden and Field.
Semolinas—Semolinas.
Senhas de Bagagem—Checks, Baggage.
Separadores de Agua para Encanamentos de Vapor—Traps, Steam.
— de Amendoim—Graders, Peanut.
— de Café—Graders, Coffee.
— de Cereal—Graders, Grain.
— de Cereal, Café e Amendoim—Separators, Grain, Coffee and Peanut.
— e Descascadores de Arroz—Graders and Shellers, Rice.
— Magneticos—Separators, Magnetic.
— de Nata—Separators, Cream.
— para Oleos—Separators, Oil.
Serapilheira d'Algodão para Saccos—Bagging, Cotton.
— de Juta—Bagging, Jute.
Seringas Hypodermicas — Syringes, Hypodermic.
— de Irrigação—Syringes, Fountain.
— de Vulcanita (Borracha Dura)—Syringes, Hard Rubber.
Serradura—Saw Dust.
Serragem, Engenhos Fixos de—Saw Mills, Stationary.
—, Engenhos Portateis de—Saw Mills, Portable.
Serras para Ardosia—Saws, Slate.
—, Armações para—Saw Frames.
— de Contornar—Saws, Scroll.
— de Desbastar Madeira—Lumber Trimmers.
— de Fita, de Puxada Mechanica e Circulares—Saws, Band, Drag and Circular.
— de Fita para Reserragem—Resaws, Band.
— para Gelo—Saws, Ice.
— de Mão, Serrotes—Saws, Hand.
— Mechanicas de Contornar—Machines, Scroll Sawing.
— para Ripas—Saws, Shingle.
— de Talhar Metal—Saws, Hack.
Setinetas—Sateens.
Setins—Satins.
Signaes de Automoveis—Signals, Automobile.
— Electricos, Systemas de—Signal Systems, Electrical.
— para Escriptorio e Fabrica—Signals, Factory and Office.
— para Estradas de Ferro—Signals, Railway.
— para Navios—Signals, Ship.
Silica—Silica.
Silicato Liquido para Pedras de Escola—Slating, Liquid Blackboard.
Silos—Silos.
Sinos de Igreja, Escola, Fazenda, etc.—Bells, Church, School, Farm, etc.
— e Sinetas de Navio e Hiate—Bells, Ship and Yacht.
Sobrados de Borracha—Flooring, Rubber.
— de Cortiça—Flooring, Cork.
— de Madeira—Flooring, Wood.
— Parquet—Flooring, Parquet.
— á Prova de Fôgo—Flooring, Fireproof.

Sobre-Calças—Overalls.
Sobretudos, Pannos para—Overcoatings.
Soda, Bisulphato de—Soda, Bisulphate.
— Caustica—Soda, Caustic.
—, Chromato de—Soda, Chromate of.
— de Lavar—Soda, Washing.
—, Sal de—Soda Sal.
Sodio, Benzoato de—Sodium Benzoate.
—, Bicarbonato de—Sodium Bicarbonate.
—, Bichromato de—Sodium Bichromate.
—, Cyanureto de—Sodium, Cyanide of.
—, Hyposulphito e Bisulphito de—Sodium, Hyposulphite and Bisulphite.
—, Nitrato de—Sodium Nitrate.
—, Peroxido de—Sodium, Peroxide.
—, Phosphato de—Sodium Phosphate.
—, Salicylato de—Sodium Salicylate.
—, Silicato de—Sodium Silicate.
—, Sulphato de—Sodium Sulphate.
—, Sulphito de—Sodium Sulphite.
—, Sulphureto de—Sodium Sulphide.
—, Tungstato de—Soda, Tungstate of.
Sola, Leather, Sole.
Solas de Borracha—Soles, Rubber.
— e Tacões de Sola—Soles and Heels, Leather.
Solda—Solder.
— de Joalheiro—Solder, Jewelers'.
— de Prata—Solder, Silver.
Soldadores Electricos—Welders, Electric.
Soldadura Autogena, Apparelhos de—Oxy-Acetylene Welding and Cutting Apparatus.
—, Blocos de Carvão de Lenha para—Soldering Blocks, Charcoal.
Soldar, Ferramentas de—Soldering Sets.
Sopas em Latas—Soups, Canned.
Sopradores de Areia—Machines, Sand Blast.
Sorveteiras—Freezers, Ice Cream.
Sovelas de Correeiro, etc.—Awls, Harness, etc.
"Spiegeleisen"—Spiegeleisen.
Sport, Artigos para—Sporting Goods.
"Stenotypo"—Stenotype".
Sublimado Corrosivo—Corrosive Sublimate.
Substitutos de Café—Coffee Substitutes.
Sulphato de Ferro—Iron, Sulphate of.
Superaquentadores a Vapor—Superheaters, Steam.
Superphosphatos—Superphosphates.
Supportes para Arco do Pé—Arch Supports.
— para Arvore do Natal—Holders, Christmas Tree.
— para Eixos de Transmissão—Pillow Blocks.
— para os Tornozelos—Ankle Supports.
— de Traves (Vigas)—Hangers, Joist.
"Surreys" (Caleches)—Surreys.
Suspendores de Portas—Hangers, Door.
Suspensorios—Suspenders.
Syphões a Vapor—Syphons, Steam.

Tabaco, para Fumar e Mascar—Tobacco, Smoking and Chewing.
—, em Folha e Picado—Tobacco, Leaf and Cut.
Tabiques de Aço e Vidro—Partitions, Steel and Glass.
Taboas de Encadernador—Boards, Bookbinding.
— para Meias—Boards, Hosiery.
Tachas—Tacks.
— de Vacuo—Pans, Vacuum.
Tachometros—Tachometers.
Tachygraphia, Machinas de — Typewriters, Shorthand.
Tacões de Borracha (Saltos)—Heels, Rubber.
Tacos de Convéz—Plugs, Deck.
Talas de União para E. de F.—Tie Plates, Railway.
Talco—Talc.
Tambores de Aço—Drums, Steel.
—, vide Pulias—Pulleys, Friction.
Tampas para Boccas d'Entrada—Manhole Covers.
— de Relogio, Material para—Watch Case Material.
Tannino—Tannin.
Tanques para Armazenagem de Gasolina—Tanks, Gasoline Storage.
— para Esgotos—Tanks, Sewage.
— de Ferro e Aço—Tanks, Iron and Steel.
— de Madeira—Tanks, Wooden.
Tapeçaria—Tapestry.
— de Algodão—Cotton, Draperies.
Tapetes (feitos por encommenda)—Rugs (made to order).
— para Banho—Bath Rugs.
— de Bruxellas—Carpets, Brussels; *tambem* Rugs, Brussels.
— de Carruagem—Carpets, Carriage.
— de Chenille—Rugs, Chenille.
— de Cortiça—Carpets, Cork.
— de Herva e Palha—Rugs, Grass.
— de Juta—Carpets, Jute.
— de Smurna—Rugs, Smyrna; *tambem* Carpets, Smyrna.
— de Tapeçaria—Carpets, Tapestry; *tambem* Rugs, Tapestry.
— Tingidos en Rama—Carpets, Ingrain.
— de Velludo, Wilton, etc.—Carpets, Velvet, Wilton, etc.
— Wilton, Avelludados, etc.—Rugs, Wilton, Velvet, etc.
Tarracha, Extensões de—Tap Extensions.
Tarrachas, Accessorios de—Tapping Devices.
— e Cassonetes—Taps and Dies.
Tatajuba—Fustic Extract.
Taximetros—Taximeters.
Têa de Encadernador—Cloth, Book.
Teares—Looms.
— de Fiar Algodão—Spinning Frames, Cotton.
— Jacquard—Looms, Jacquard.
— Jacquard, Cardas para—Loom Cards, Jacquard.
Teca—Lumber, Teak.
Tecido de Borracha para Avessos—Cloth, Rubber Backing.
— para Cilhas e Suspensorios—Webbing.
— Elastico—Webbing, Elastic.
Tecidos—Dry Goods.
— de Algodão de Fio-tinto—Cotton Goods, Yarn-Dyed.
— para Cama de Molas—Spring Bed Fabrics.
— de Chita de Algodão—Cotton Print Cloths.
—, Colla para—Textile Sizing.
— para Costumes de Senhora—Cloakings.
— Elasticos—Elastic Fabrics.
— para Estofar—Upholstery Fabrics.
— de Fibra—Cloth, Hair.
— para Forrar Couro—Plumping Cloth.
— de Lã—Woolen Fabrics.
— de Linho, de Arte e para Mesa—Linens, Art and Table.
— de Malha—Knitted Fabrics.
— Oleados—Sheetings, Oiled.
Teclas de Piano—Piano Keys.
Tectos—Interiores de Madeira—Ceiling, Wood.

Tectos—*Continuação.*
— Interiores de Metal—Ceiling, Metal.
Telegraphia sem Fio, Apparelhos para—Wireless Telegraph Apparatus.
Telegrapho e Telephone, Materiaes de—Telegraph and Telephone Supplies.
Telephones—Telephones.
— Portateis—Telephones, Portable.
Telha de Gesso—Tile, Gypsum.
Telhados—Roof Deck.
Telhas de Borracha—Tiling, Rubber.
— de Cimento para Tectos—Tile, Roofing, Cement.
— Esmaltadas, Vidradas, etc.—Tiles, Enameled, Glazed, etc.
— Metallicas—Tiles, Metal.
— Ocas para Construcção—Tile, Building, Hollow.
— Refractarias—Tile, Fire.
— para Tectos—Tile, Roofing.
Tenazes—Nippers; *tambem* Tongs.
Tendas—Tents.
Tentos para Jogos—Chips, Playing.
Terebenthina—Turpentine.
—, Substitutos de—Turpentine Substitutes.
Terminaes de Cabos—Terminals, Cable.
Terra Alba—Terra Alba.
Terra-cotta para Architectura—Terra Cotta, Architectural.
Terras Infusorias—Infusorial Earths.
Tesouras de Banco—Shears, Bench.
— para Esquadrar e Giratorias—Shears, Squaring and Rotary.
— Grandes e Pequenas—Shears and Scissors.
— Hydraulicas—Shears, Hydraulic.
— Mechanicas—Shears, Power.
Theatro, Materiaes para—Theatre Supplies.
Thermometros, Barometros, etc.—Thermometers, Barometers, etc.
— Clinicos—Thermometers, Clinical.
— para Forno—Thermometers, Oven.
"Thermos," Artigos de—"Thermos" Articles.
Thesouras, Folhas de—Shear Blades.
Tijolos de Barro Vermelho—Brick, Red Clay.
— Chimicos—Brick, Chemical.
— Communs de Construcção—Brick, Building, Common.
— Comprimidos—Brick, Pressed.
— Esmaltados—Brick, Enameled.
— Oucos—Brick, Hollow.
— para Pavimento—Brick, Paving.
— Refractarios—Brick, Fire.
— de Schisto—Brick, Shale.
— Vitrificados—Brick, Vitrified.
Tingidores de Meadas de Retroz—Dyers of Skein Silk.
— de Pelles—Dyers, Fur.
Tingir e Acabar Fios, Apparelhos de—Dyers and Finishers of Yarns.
Tinta de Brunir—Ink, Burnishing.
— de Colla—Kalsomine.
— de Desenho—Ink, Drawing.
— d'Escrever—Ink, Writing.
— Indelevel—Ink, Indelible.
— Lithographica—Ink, Lithographic.
— de Marcar e para Lettreiros—Ink, Marking and Stenciling.
Tintas de Agua Fria—Paints, Cold Water.
— de Aluminio—Paints, Aluminum.
— para Artistas—Colors, Artists'.
— para Concreto, Tijolo e Madeira—Paints, Concrete, Brick and Wood.
— e Côres—Paints and Colors.
— para Couro—Stains, Leather.
— de Graphite—Paints, Graphite.

Tintas—*Continuação.*
— de Imprensa—Ink, Printing.
— Isoladoras—Paints, Insulating.
— para Madeira—Stains, Wood.
— Maritimas (para Embarcações)—Paints, Marine.
— para Metal—Paints, Metal.
— de Ouro (de Dourar)—Paints, Gold.
— á Prova de Fogo—Paints, Fireproof.
— de Silicato—Paints, Silicate.
— para Telhados—Paints, Roofing.
— e Verniz, Preparações de Remover—Paint and Varnish Remover.
Tinteiros—Inkstands and Ink Wells.
Tinturaria, Materiaes de—Dyeing Materials.
Tinturas—Tinctures.
Tintureiros e Branqueadores de Palha, etc.—Dyers and Bleachers of Straw, etc.
Tira-linhas, Pennas de Pautar—Pens, Ruling, Paper Rulers'.
Tirafundos para Trilhos—Bolts, Track.
Tiragem, Apparelhos Mechanicos para—Draft Apparatus, Mechanical.
Tirantes para Braços de Poste—Braces, Cross-Arm.
Titulos de Divida, Gravados e Lithographados—Bonds, Engraved and Lithographed.
Toalhas de Papel—Towels, Paper.
— de Mesa—Table Covers.
— Turcas—Towels, Turkish.
Tochas de Alcool—Torches, Alcohol.
— de Gasolina—Torches, Gasoline.
— de Oxy-Acetylene — Torches, Oxy-Acetylene.
Toilette, Artigos de Phantasia para—Toilet Goods, Fancy.
—, Artigos de Prata para—Toilet Goods, Silver.
—, Preparados para—Toilet Preparations.
Toldos, Armações e Pertences para—Canopy Frames and Fixtures.
— Impermeaveis para Carroças—Wagon Covers, Waterproof.
— de Carruagem e Automovel—Tops, Carriage and Automobile.
—, Tecidos para—Awning Cloth.
Toluol—Toluol.
Toradores de Amendoim (Mendobi)—Roasters, Peanut.
Torçal de Seda para Obra de Malha e Crochet—Silk, Knitting and Crocheting.
Torcedores de Seda—Silk Throwsters.
Torcidas—Wicks, Lamp.
— de Mineiro—Wicking, Miners'.
Torneados de Madeira—Turnings, Wood.
Torneiras de Ar—Cocks, Air.
— para Cerveja—Facets, Beer.
— de Latão—Faucets, Brass.
— de Madeira—Faucets, Wooden; *tambem* Taps, Wood.
— de Medição Automatica—Faucets, Self-Measuring.
— de Nivel—Cocks, Gauge.
Torninhos de Caixa Massiça para Ferreiros—Vises, Blacksmiths' Solid Box.
— para Serras—Vises, Saw.
— para Tubos—Vises, Pipe.
Tornos de Apertar para Machinas de Furar—Vises, Drill Press.
— de Bancada, para Apertar Peças—Vises, Bench.
— para Coronhas de Espingarda—Lathes, Gun Stock.
— de Laboratorio Dental—Lathes, Dental Laboratory.

Tornos—*Continuação.*
— de Machina para Apertar Peças—Vises, Machine.
— de Trabalhar em Madeira—Lathes, Wood Turning.
— de Trabalhar em Metal—Lathes, Metal Working.
Torres d'Agua para Serviço de Bombeiros —Towers, Water.
— para Tanques e Moinhos de Vento —Towers, Tank and Wind Mill.
— de Transmissão e Telegraphia sem Fio —Towers, Transmission and Wireless.
Toucinho—Bacon.
Tractores de Accumulador—Tractors, Storage Battery.
— Agricolas—Tractors, Farm.
— a Gasolina—Tractors, Gasoline.
— a Kerosene (a Petroleo)—Tractors, Kerosene.
— a Petroleo Distillado—Tractors, Distillate.
Trados de Tanoeiro—Borers, Bunghole.
Tramways Aereos—Tramways, Overhead.
Transformadores Electricos—Transformers, Electrical.
Transmissões de Corda—Rope Drivers.
— de Estambre—Braids, Worsted.
— de Pello de Cabra e Seda—Braids, Mohair and Silk.
Travadeiras de Serra—Swages, Saw.
Travessas (Dormentes) de Aço—Ties, Steel.
— (Dormentes) para E. de F.—Ties, Railway.
Travessões para Trucks e Caixes da Carro —Bolsters, Car Body and Truck.
Trenós para Declives—Sleds, Coasting.
Trilhos de Aço—Steel Rails.
— Portateis—Track, Portable.
Trincos de Porta—Latches, Door.
Tripas Preparadas para Salchichas—Casings, Sausage.
Triturador, Peças de—Crusher Parts.
Trituradores para Barro—Crushers, Clay.
Troles e Fios Aereos para Bonds—Trolleys and Trolley Tracks, Overhead.
Trolhas de Jardineiro—Trowels, Garden.
— de Pedreiro—Trowels, Masons'.
Trucks, Armações de—Truck Frames.
— para Carros de Ferro-carril (Bonds)—Trucks, Street Car.
— para Carros de Passageiros—Trucks, Passenger Railroad Car.
— de Vagões de Carga—Trucks, Freight Car.
Tubagem de Fibra Vulcanizada—Tubing, Vulcanized Fibre.
Tubo (Conductor), Joelhos e Luvas de—Pipe (Conductor) Elbows and Sleeves.
Tubos de Aço—Tubing, Steel.
— d'Aço Estirado sem Soldaduras—Tubing, Seamless Drawn Steel.
— Acusticos—Tubes, Speaking.
— Arrebitados, de Ferro e Aço—Pipe, Riveted Iron and Steel.
— de Bicycleta—Tubing, Bicycle.
— de Borracha—Tubing, Rubber.
— de Bronze—Tubing, Bronze.
— de Caldeira—Tubes, Boiler.
— de Carga de Agua—Standpipes.
— de Chumbo—Pipe, Lead.
— de Cobre—Tubing, Copper.
— Conductores—Pipe, Conductor.
— Conductores de Correio—Tubes, Mailing.
— d'Esgoto e Escoadouros—Pipe, Sewer and Drain.
— de Estanho—Pipe, Tin.

Tubos—*Continuação.*
— de Ferro—Tubing, Iron.
— de Ferro Forjado e Aço — Pipe, Wrought Iron and Steel.
— de Ferro Forjado, forrados de Cimento —Pipe, Cement-Lined Wrought Iron.
— de Ferro Fundido—Pipe, Cast Iron.
— Flexiveis—Tubing, Flexible.
— de Gutta-percha—Tubing, Hard Rubber.
— de Isolação—Tubing, Insulation.
— de Latão—Tubing, Brass.
— de Metal Depressivel—Tubes, Collapsible Metal.
— de Papel—Cores, Paper.
— Pneumaticos—Pneumatic Tubes.
— de Rebordo—Pipe, Flanged.
—, Serpentinas de Ferro, Latão e Cobre—Pipe, Coiled, Iron, Brass and Copper.
— de Tecido—Tubes, Textile.
— de Torpedo—Tubes, Torpedo.
— de Vidro—Tubing, Glass.
Tungstenio—Tungsten Metal.
Tunneis e Aqueductos, Revestimentos de—Tunnel and Culvert Linings.
Turbantes para Chapéos—Hatbands.
Turbinas de Assucar—Machines, Centrifugal Sugar.
— Hydraulicas—Turbines, Water.
— a Vapor—Turbines, Steam.
Turbo-Geradores—Turbo-Generators.
Typographia, Fornecimentos de—Printers' Supplies.
Typographias—Printers.
Typos de Borracha—Type, Rubber.
— Metallicos—Type Metal.

Uniformes—Uniforms.
Uniões d'Expansão—Joints, Expansion.
— de Fricção—Clutches, Friction.
— para Mangueiras de Incendio e Jardim—Couplings, Hose Fire and Garden.
— para Tubos—Couplings, Pipe.
— Universaes—Joints, Universal.
Urdumes de Algodão—Warps, Cotton.
Utensilios de Barbeiro—Tools, Barbers'.
— de Cozinha—Kitchenware.
— de Padeiro e Confeiteiro—Tools, Bakers' and Confectioners'.
— para Secretária—Desk Sets.

Valvulas de Ar—Valves, Air.
— de Comporta e Adufa—Valves, Gate and Lock.
— Especiaes—Valves, Special.
— de Inversão—Valves, Reversing.
— de Ponta de Agulha—Valves, Needle Point.
— de Segurança—Valves, Safety.
— para Vapor Gaz e Agua—Valves, Steam, Gas and Water.
Vanilhina—Vanillin.
Vapores de Ferro e Madeira—Boats, Iron and Wooden, Steam.
Varas d'Estensão—Rods, Extension.
— d'Aço para Construcção — Steel Rods, Structural.
Vasilhas de Fibra—Cans, Fibre.
— de Papel—Cans, Paper.
Vasos de Barros para Flôres—Pots, Flower, Chimney, etc.
— Domesticos de Latão—Hollow-Ware, Brass.
— de Droguista e Perfumista—Jars, Druggists' and Perfumers'.

Vasos—*Continuação.*
— de Jardim—Vases, Lawn.
— de Laboratorio—Hollow-Ware, Laboratory.
— para Pilhas—Jars, Battery.
— de Platina—Hollow-Ware, Platinum.
Vazadores para Ilhós de Correias—Punches, Belt.
Veios—Shafting.
Velas—Candles.
— d'Inflammação—Spark Plugs.
Velludinhos—Velveteens.
Velludos de Algodão—Velvets, Cotton.
— de Seda—Velvets, Silk.
Velocimetros—Indicators, Speed.
— Speedometers.
Velocipedes para Crianças—Velocipedes, Children's.
— para Estradas de Ferro—Velocipedes, Railway.
Velours de Algodão—Velours, Cotton.
Ventiladores—Ventilators.
— de Evacuação—Fans, Exhaust.
— Giratorios Positivos—Blowers, Rotary Positive.
— de Leque—Blowers, Fan.
— Mechanicos—Mills, Fanning.
Veos, Tecidos para—Veilings.
Verniz para Mobilia—Polish, Furniture.
— para Sobrado—Polish, Floor.
Vernizes—Varnishes.
Vestibulos para Carros—Vestibules, Car.
Vestidos, Estambres para — Dress Goods, Worsted.
—, Fazendas de Algodão para — Dress Goods, Cotton.
—, Lãs para—Dress Goods, Woolen.
—, Sedas para—Dress Goods, Silk.
Vidro com Arame—Glass, Wire.
—, Artigos Decorados de—Glassware, Decorated.
— em Branco—Glass Blanks.
— em Chapa, Crystal e Côres, Ornamentado e Opalino—Glass, Sheet, Crystal and Colored, Figured and Opal.
—, Chapa Laminada de—Glass, Rolled Sheet.
— de Côres para Illuminação—Glass, Colored, for Lighting Goods.
— para Cozinha, Utensilios de—Glassware, Cooking Utensils.
— Curvado—Glass, Bent.
— Cylindrado—Glass, Plate.
— Cylindrado, com Borda em Bisel e Polido—Glass, Plate, Beveled and Polished.
— Esmerilhado, Escodado e Estriado—Glass, Ground, Chipped and Ribbed.
— de Filtrar Luz—Glass, Light Filtering.
— de Janella—Glass, Window.
— Lapidado, Artigos de—Glassware, Cut.
— Optico—Glass, Optical.
—, Prateleiras de—Glass Shelves.
— para Sobrados e Claraboias—Glass, Floor and Skylight.
Vidros para Espelhos—Mirror Plates.
— de Mesa—Glassware, Table.
— de Pharmacia—Glassware, Druggists'.
— Technicos—Glassware, Technical.
— (Copos, etc.) para Venda de Bebidas—Glassware, Bar.
Vinagre—Vinegar.
Vinhos Medicinaes—Wines, Medicinal.
Viras para Calçado—Welting, Shoe.
Virolas—Ferrules.
"Vitamalt"—"Vitamalt."
Vitrinas—Show Cases.
— para Museus—Museum Cases.
Volantes—Wheels, Fly.
Vulcanizadores de Borracha—Vulcanizers, Rubber.

Wagonetes de Carvão para Casa de Caldeiras—Trucks, Coal, Boiler Room.
— de Descarga—Skips, Dump.
— de Fabrica e Armazem—Trucks, Warehouse and Factory.
— de Fundição—Trucks, Foundry.
Whisky—Whiskey.

Xaropes—Syrups.
— de Assucar de Malt—Syrups, Malt Sugar.

Zarcão—Lead, Red.
Zinco, Chlorureto de—Zinc, Chloride.
— Laminado—Zinc, Rolled.
—, em Lapis para Pilhas—Zincs, Battery.
—, Oxydo de—Zinc, Oxide of.
—, Phosphureto de—Zinc Phosphide.
—, Sulphato de—Zinc Sulphate.
Zorras para Arrastar Tóros—Trucks, Logging.

Part IV

Displayed Announcements

of Members of the

National Association of Manufacturers

of the

United States of America

Annuncios dos Membros

Indice dos Annuncios

PAG.

Abrasive Company..... 17
Adams Manufacturing Company..... 35
Addressograph Company..... 19
American Chain Company..... 7
American Clay Machinery Company..... 18
American Pad and Textile Company..... 26
American Steam Gauge and Valve Mfg. Company.....Vidè Ultima Guarda
American Stove Company..... 29
American Vulcanized Fibre Company..... 9
Ansonia O & C Company..... 32
Baird Machine Company..... 11
Bradford Belting Company.....Vidè Guardas da Frente
Brainerd & Armstrong..... 33
Bronze Metal Company..... 14
Samuel Buyer & Company..... 32
Calculagraph Company..... 19
F. S. Carr Company..... 27
Central Foundry Company..... 37
Chase Bag Company..... 30
Clark Equipment Company..... 16
Crescent Garter Company..... 34
Darling & Company..... 23
Dayton Manufacturing Company..... 14
Detroit Oak Belting Company..... 24
Diamond Chain and Manufacturing Company..... 6
Electric Wheel Company..... 5
Equitable Powder Manufacturing Company..... 28
Export American Industries.....Vidè Segunda Guarda
Franklin Electric Manufacturing Company..... 29
Golding Manufacturing Company..... 9
Hamilton Rubber Manufacturing Company..... 31
Hawkeye Pearl Button Company..... 34
Hendey Machine Company..... 15
Hoggson & Pettis Manufacturing Company..... 18
Huntley Manufacturing Company..... 3
Jonas & Naumburg, Inc..... 27
Kemper-Thomas Company..... 34
C. Kenyon Company..... 33
Lakeside Paper Company..... 34
M. C. Lilley & Company..... 9
Lincoln Manufacturing Company..... 35
McConway & Torley Company..... 14
Mattatuck Manufacturing Company..... 13
W. B. Mershon & Company..... 18
Milligan & Higgins Glue Company..... 23
Morgan Construction Company..... 22
National Association of Manufacturers.....20 and 38
National Equipment Company..... 22
Newark Rivet Works..... 20
A. H. Nilson Machine Company..... 12
Petroleum Iron Works Company..... 4
Power Specialty Company..... 21
Quaker City Morocco Company..... 27
Read Machinery Company, Inc..... 22
Reilly-Peabody Fuel Company..... 36
A. H. Rice Company..... 35
Rockwood & Company..... 30
John Royle & Sons..... 24
Russell Manufacturing Company..... 32
S. Severance Manufacturing Company..... 12
Sleeper & Hartley, Inc..... 10
S. Morgan Smith Company..... 20
Sowers Manufacturing Company..... 2
Standard Oil Cloth Company..... 31
George Stratford Oakum Company..... 23
Stuber & Kuck Company 12
Union Stove Works..... 28
U. S. Bung Manufacturing Company..... 30
U. S. Hame Company..... 26
Upson Nut Company..... 1
Virginia-Carolina Chemical Company..... 28
West Virginia Rail Company..... 20
Weston Electrical Instrument Company..... 5
Whitney Manufacturing Company..... 8
Wilder Tanning Company..... 25
I. B. Williams & Sons..... 25

Nome.....

Cidade.....Paiz.....

Rua e numero.....

☞ **As firmas que se dirigirem pela primeira vez á Associação devem dar referencias satisfactorias ou outra informação que habilitem a mesma a apresental-as aos fabricantes. Para este fim, digne-se V. S. preencher o formulario no verso desta folha e devolvel-o á Associação.**

National Association of Manufacturers, New York, E. U. A.

Queira enviar ao endereço acima indicado catalogos, preços e mais informação relativa aos artigos abaixo enumerados.

☞ *Negociantes de todas as partes do mundo são convidados a escrever á Associação quando desejarem informação relativa a qualquer cousa fabricada nos Estados Unidos da America. AS INDAGAÇÕES SÂO RESPONDIDAS GRATIS.*

[VÊR O VERSO]

1. Nome.....

2. Cidade..... Paiz.....

3. Rua e numero.....

4. V. S. é commerciante?.....

5. Vende por atacado ou a retalho?.....

6. Trabalha como agente?.....

7. Fabríca quaesquer artigos?.....

8. Na affirmativa, que ramos?.....

9. Principaes ramos de artigos em que negoceia.....

.....

.....

10. Quando se estabeleceu?.....

11. Valor approximado do seu stock?.....

12. A quanto se eleva o seu capital?.....

13. Referencias de Banco ou outras.....

.....

.....

.....

.....

.....

14. Se é um agente, sirva-se mencionar a experiencia que tem obtido, quaes as firmas que representa, a zona das suas operações e a sua idade.

.....

.....

.....

.....

15. Endereço telegraphico..... Codigos usados.....

Data..... Assignatura.....

[VÊR O VERSO]

Nome.....

Cidade.....Paiz.....

Rua e numero.....

☞ **As firmas que se dirigirem pela primeira vez á Associação devem dar referencias satisfactorias ou outra informação que habilitem a mesma a apresental-as aos fabricantes. Para este fim, digne-se V. S. preencher o formulario no verso desta folha e devolvel-o á Associação.**

National Association of Manufacturers, New York, E. U. A.

Queira enviar ao endereço acima indicado catalogos, preços e mais informação relativa aos artigos abaixo enumerados.

☞ *Negociantes de todas as partes do mundo são convidados a escrever á Associação quando desejarem informação relativa a qualquer cousa fabricada nos Estados Unidos da America. AS INDAGAÇÕES SÂO RESPONDIDAS GRATIS.*

[VÊR O VERSO]

1. Nome.....

2. Cidade..... Paiz.....

3. Rua e numero.....

4. V. S. é commerciante?.....

5. Vende por atacado ou a retalho?.....

6. Trabalha como agente?.....

7. Fabríca quaesquer artigos?.....

8. Na affirmativa, que ramos?.....

9. Principaes ramos de artigos em que negoceia.....

.....

.....

10. Quando se estabeleceu?.....

11. Valor approximado do seu stock?.....

12. A quanto se eleva o seu capital?.....

13. Referencias de Banco ou outras.....

.....

.....

.....

.....

.....

14. Se é um agente, sirva-se mencionar a experiencia que tem obtido, quaes as firmas que representa, a zona das suas operações e a sua idade.

.....

.....

.....

.....

15. Endereço telegraphico..... Codigos usados.....

Data..... Assignatura.....

[VÊR O VERSO]

Nome.....

Cidade.....Paiz.....

Rua e numero.....

☞ **As firmas que se dirigirem pela primeira vez á Associação devem dar referencias satisfactorias ou outra informação que habilitem a mesma a apresental-as aos fabricantes. Para este fim, digne-se V. S. preencher o formulario no verso desta folha e devolvel-o á Associação.**

National Association of Manufacturers, New York, E. U. A.

Queira enviar ao endereço acima indicado catalogos, preços e mais informação relativa aos artigos abaixo enumerados.

☞ *Negociantes de todas as partes do mundo são convidados a escrever á Associação quando desejarem informação relativa a qualquer cousa fabricada nos Estados Unidos da America. AS INDAGAÇÕES SÂO RESPONDIDAS GRATIS.*

[VÊR O VERSO]

1. Nome.....

2. Cidade..... Paiz.....

3. Rua e numero.....

4. V. S. é commerciante?.....

5. Vende por atacado ou a retalho?.....

6. Trabalha como agente?.....

7. Fabríca quaesquer artigos?.....

8. Na affirmativa, que ramos?.....

9. Principaes ramos de artigos em que negoceia.....

.....

.....

10. Quando se estabeleceu?.....

11. Valor approximado do seu stock?.....

12. A quanto se eleva o seu capital?.....

13. Referencias de Banco ou outras.....

.....

.....

.....

.....

.....

14. Se é um agente, sirva-se mencionar a experiencia que tem obtido, quaes as firmas que representa, a zona das suas operações e a sua idade.

.....

.....

.....

.....

15. Endereço telegraphico..... Codigos usados.....

Data..... Assignatura.....

[VÊR O VERSO]

Nome.....

Cidade.....Paiz.....

Rua e numero.....

☞ **As firmas que se dirigirem pela primeira vez á Associação devem dar referencias satisfactorias ou outra informação que habilitem a mesma a apresental-as aos fabricantes. Para este fim, digne-se V. S. preencher o formulario no verso desta folha e devolvel-o á Associação.**

National Association of Manufacturers, New York, E. U. A.

Queira enviar ao endereço acima indicado catalogos, preços e mais informação relativa aos artigos abaixo enumerados.

☞ *Negociantes de todas as partes do mundo são convidados a escrever á Associação quando desejarem informação relativa a qualquer cousa fabricada nos Estados Unidos da America. AS INDAGAÇÕES SÂO RESPONDIDAS GRATIS.*

[VÊR O VERSO]

1. Nome.....

2. Cidade..... Paiz.....

3. Rua e numero.....

4. V. S. é commerciante?.....

5. Vende por atacado ou a retalho?.....

6. Trabalha como agente?.....

7. Fabríca quaesquer artigos?.....

8. Na affirmativa, que ramos?.....

9. Principaes ramos de artigos em que negoceia.....

.....

.....

10. Quando se estabeleceu?.....

11. Valor approximado do seu stock?.....

12. A quanto se eleva o seu capital?.....

13. Referencias de Banco ou outras.....

.....

.....

.....

.....

.....

14. Se é um agente, sirva-se mencionar a experiencia que tem obtido, quaes as firmas que representa, a zona das suas operações e a sua idade.

.....

.....

.....

.....

15. Endereço telegraphico..... Codigos usados.....

Data..... Assignatura.....

[VÊR O VERSO]

Comprae a Marca "U"

A installação que se vê acima produz 6,000,000 peças por dia, de todas as especies de cavilhas, porcas e arrebites. Occupa 11 hectares de terreno, emprega 2,500 homens, e executa todo o processo do fabrico da Marca "U," desde o minerio em bruto até ao artigo acabado.

Não é esta a installação com a qual quereis ter transacções? Desde 1854 a UPSON "U" tem-se dedicado a alta qualidade, exactidão e confiança.

Requisitae o catalogo d'uma completa variedade de cavilhas e porcas (de roscas normaes Whitworth ou Americana), todas feitas conforme á qualidade e reputação de "U."

The Upson Nut Co.

Escriptorio de Exportação, 17 Battery Place, New York City, E. U. A.

Fabricas: Cleveland, Ohio, e Unionville, Conn.

Mesclador com camisa, para Rederreter e Misturar, Movido a Motor, Modelo "B." Tambem equipado para funccionamento por meio de correia, nos seguintes tamanhos normaes: 453.60, 680.40, 816.48, 1179.36, 1632.96 e 2041.20 Kilogr.

Machinismo "Dopp"

para

Fabricar Sabão

Casa fundada em 1857

Especializamos em

Machinas de Misturar
Moldes para Sabão
Lascadores
Cortadores de Barras e Pães

Peça o catalogo V-2

Caldeiras "Dopp" de Ferro Fundido, sem Cravação, e com Camisa de Vapor, Misturadores e Tachos de Vacuo

CALDEIRA NORMAL, SEM CRAVAÇÃO

AGITADOR MODELO "D"

TACHO DE VACUO, COM AGITADOR

40 tamanhos normaes de tachos, variando entre 18.90 e 3024 litros de capacidade. 20 tamanhos normaes de tachos de vacuo, variando entre 37.80 e 6048 litros de capacidade. Milhares actualmente usados nas fabricas de sabão e productos chimicos, e nos frigorificos.

Peça o catalogo V-1

SOWERS MANUFACTURING CO.

(Direcção da H. W. Dopp Co.)

1306 NIAGARA STREET BUFFALO, N. Y., E. U. A.

Estabelecida em 1879 **35,000 em serviço**

As Melhores Machinas Americanas de Limpar, Separar e Polir

CEREAL, SEMENTES, ARROZ, CAFÉ AMENDOIM, FRUTAS E LEGUMES

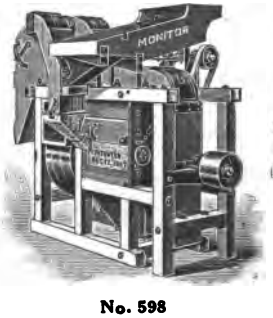
Como os maiores fabricantes do mundo de Machinas de Limpar, Separar e Polir, para toda a especie de grãos, sementes, arroz, café, amendoim, fruta e legumes, offerecemos Machinas de Reconhecida Efficiencia,—equipamento que produz um maximo de serviço perfeito a um minimo de força, cuidado e despeza de operação.

Enviamos circulares mediante requisição.

Quando se nos escrever, mencione-se a especie e capacidade das machinas desejadas, visto que as nossas variedades acham-se convenientemente descriptas em catalogos distinctos, illustrados.

HUNTLEY MFG. CO., 11-38 Mechanic St., Silver Creek, N. Y., E. U. A.

No. 192E



No. 598

No. 421½

P.I.W.
Construcção de Chapas de Aço
1
2
3
4
5
6
7
Engenheiros de reputaçao internacional approvam e usam a
CONSTRUCÇÃO DE CHAPAS DE AÇO
P.I.W.
porque n'ella se acham incorporados perfeito plano de desenho e pericia na fabricação e erecção.
Em todas as partes do mundo estão erigidos productos "P. I. W."
THE
PETROLEUM IRON WORKS COMPANY
Construcção de chapas de aço
SHARON, PA., E. U. ca A.
Escriptorios de venda para exportação
New York e San Francisco
1—Depositos para arrumação de minerio. 2—Tanques reservatorios de petroleo cru. 3—Tanques reservatorios de acidos. 4—Chaminés. 5—Tanques de abastecimento de agua para caminhos de ferro. 6—Agitadores para refinações de petroleo. 7 Tanques reservatorios para productos de petroleo.

Grupo de precisão, em miniatura, para uso em circuitos de corrente continua

Grupo completo de instrumentos de quadro de distribuição redondo de corrente alternativa.

Instrumentos Electricos de indicar e medir

Weston

Grupos completos de instrumentos portateis e de quadros de distribuição para corrente alternativa e continua, n'uma grande variedade de tamanhos e estylos para toda e qualquer exigencia.

Wattmetros, voltmetros, mil-amperometros e millivoltmetros, typos normaes de laboratorio; amperometros de frente de automovel e instrumentos d'ensaio para garage.

Uma completa variedade de instrumentos radiographicos de medição de fios telephonicos, instrumentos telegraphicos de balanço, contadores de capacidade, comparadores de transformador, ohmmetros, etc. Instrumentos portateis e de quadro de distribuição, transformadores de precisão.

Weston Electrical Instrument Co.
113 Weston Ave., Newark, N. J., E. U. A.
23 Succursaes nas maiores cidades.

RODADOS DE AÇO

Rodas de aço nunca são affectadas pelo tempo quente ou humido; nunca empenam, racham ou apodrecem; não teem aros, raios ou buchas que possam alargar-se. São especialmente uteis em climas tropicaes, duram seis vezes mais que as rodas de madeira. Fazemol-as de modo que possam servir em qualquer especie de carroça ou carro, de qualquer altura, largura ou grossura de aro, qualquer capacidade. EIXOS DE MADEIRA E DE AÇO MACIÇO, de qualquer tamanho e capacidade para servirem nas rodas do nosso fabrico.

REFOQUE DE TRACTOR

"ALLWORK"

Machina de Tracção a Kerosene

UM TRACTOR DE QUATRO RODAS, EM QUE SE PODE DEPENDER COMO EM FORÇA ANIMAL

Munido d'um motor vertical de quatro cylindros de 125 x 150 mm., desenvolvendo 25 H.P. á correia, 12 H.P. á barra de tracção. Transmissão de duas velocidades funccionando em azeite, eixo dianteiro de typo automovel, eixo trazeiro em chumaceira de rolos, engrenagens de aço perfeitamente protegidas do pó e de lubrificação automatica, radiador e ventilador de absoluto arrefecimento. Rodas trazeiras de 40 cm. de face, peso 2,175 kilos.

Um tractor pratico e baseado em sensatez, fabricado por uma Companhia cuja reputação está bem estabelecida, achando-se as suas machinas actualmente em serviço nos campos em grande numero. Peça o catalogo No. 40.

FABRICAMOS

carros inteiramente de aço, carros de madeira com rodas de aço, carroças para canna de assucar e de despejo, carroças de carregar canna, carroças para tóros, carros de transporte pesado para junta de animaes ou tracção. De 2 a 20 toneladas de capacidade.

Electric Wheel Co.
DEPARTMENT B
Quincy, Ill., E. U. A.

Correntes "DIAMOND"

para

Bicyclettes, Motocyclettes, Automoveis, Auto-Camiões e Transmissão de Machinismo

Illustrações de alguns modêlos typicos da variedade "Diamond." A variedade completa inclue modêlos para cada especie de serviço em que se possa empregar correntes de alta qualidade, de chapas e rôletes de aço, acabadas á machina. Os nossos desenhos, processo de fabrico e cuidadosa escolha de aços são baseados n'uma experiencia de mais de vinte e cinco annos, exclusivamente como fabricantes de correntes.

Catalogos e preços enviados mediante requisição.

Solicita-se correspondencia em qualquer lingua.

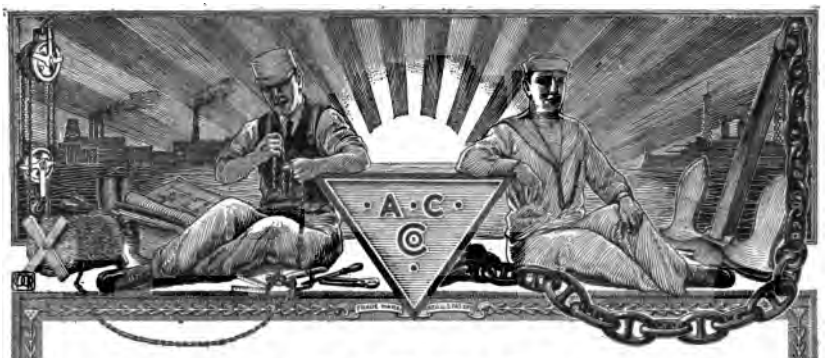
AGENTES NO ESTRANGEIRO

Ginesta & Rolfe, 491 Calle Rincón, Montevideo, Uruguay, America do Sul

DIAMOND CHAIN AND MANUFACTURING CO.

255 West Georgia Street

INDIANAPOLIS, IND., E. U. A.



SORTIMENTO COMPLETO de CORRENTES

NÃO SOLDADAS, SOLDADAS A ELECTRICIDADE, SOLDADAS A FÔGO

Todos os Tamanhos – Todos os Typos—Todos os Acabamentos

Das Correntes de Segurança para Chumbeiro até as Correntes para Ancora de Navio

---

Os Maiores Fabricantes de Correntes do Mundo Inteiro

Peça o Catalogo

AMERICAN CHAIN COMPANY
INCORPORATED

Bridgeport A·C © **Conn., E. U. A.**

Succursal em Londres: 8 White St., Moorfields, Londres, E.C.

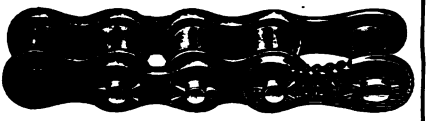
No Canadá—**DOMINION CHAIN CO., Ltd., Niagara Falls, Ont.**

Os Maiores Fabricantes de Correntes do Mundo

Fabricas em

Bridgeport, Conn.	Braddock, Pa.	York, Pa.	Carlisle, Pa.
Columbus, O.	Mansfield, O.	St. Marys, O.	Marion, Ind.

Correntes "Whitney"



As correntes "Whitney" de Typo Silencioso

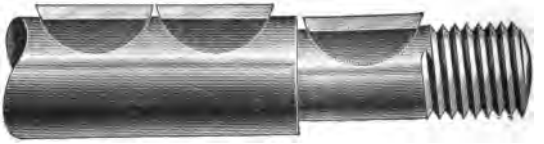
são transmissores efficientes de força e são empregadas em transmissão de veios de came, systemas de illuminação e de pôr em movimento, e magnetos em automoveis, assim como em geradores, bombas, compressores, machinas, ferramentas, etc.

A nossa Secção d'Engenharia terá muito prazer em vos auxiliar a obter maxima efficiencia e serviço.

As Correntes "Whitney" de Roletes

são fortes, corretas e seguras. São empregadas pelos principaes fabricantes de autocamiões e estão prestando excellente serviço todo o anno.

As correntes de roletes são fornecidas separaveis ou rebitadas, conforme o cliente deseje.



Chavetas e Cortadores de Escateis "Whitney"

Para o Systema "Woodruff" de Chavetar

A Chaveta "Whitney" entra mais no veio que as de construcção commum, portanto póde supportar muito maior violencia. É impossivel uma Chaveta "Whitney" voltar-se dentro do escatel.

O processo de cortar o escatel para chaveta é simples e rápido e não requer os serviços de peritos.

A MACHINA "WHITNEY" DE FRESAR Á MÃO

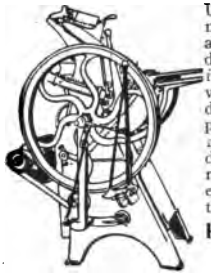
é um apparelho de trabalho geral, capaz de córte leve e pesado. A sua construcção é tão solida, que pode ser empregada em logar de ferramentas que custam o dobro do dinheiro.

Com esta machina, póde-se cortar engrenagens, cames, carretes para corrente, escateis para chavetas, perfilar, ranhurar, fresar e executar muitos outros trabalhos.

THE WHITNEY MFG. CO.
HARTFORD, CONN., E. U. A.

Correntes—Chavetas—Machinas de Fresar á Mão

PRELOS

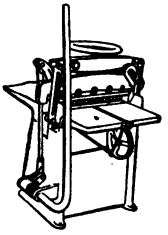


Um grande sortimento de prelos alimentados á mão, para funccionamento a vapor ou electricidade, movidos a pedal ou á mão. Muito rapidos e duraveis. De Alimentação simples e esplendida distribuição de tinta.

Preços de $20 até $700.

Machinas de Cortar Papel

Um grande sortimento para quasi todo o trabalho de cortar. Movidas a força mechanica, mão, roda e alavanca de mão.



Preços de $4 até $800

UTENSILIOS: Uma extensa variedade de utensilios de imprensa, a preços resumidos.

Peça o Catalogo

GOLDING MFG. CO. FRANKLIN, MASS., E. U. A.

THE M. C. LILLEY & CO.

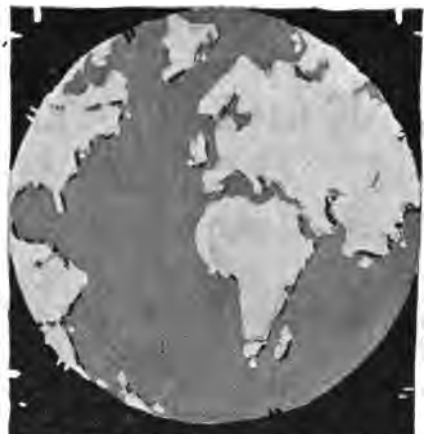
COLUMBUS, OHIO
E. U. da A.

FABRICANTES DE

Espadas, Sabres e Cinturões

Artigos militares de todos os generos para uniformes

SOLICITA-SE CORRESPONDENCIA



VUL-COT PRODUCTS

Estes productos

são empregados por toda a parte. A fibra "VUL-COT" é dura e rija. É facilmente trabalhada em machina. É leve e fórte.

É muito usada, para muitos fins electricos, mechanicos e industriaes, para engrenagens, gachetas, chumaceiras, arruelas, carrinhos, malas de mão, bahús, cestos para papeis, caixas de amostras, torcedores de hilo, etc., etc. E' um isolante perfeito e tem mil outros usos.

Fibra "VUL-COT" é produzida pelos principaes fabricantes de Fibra Vulcanizada do mundo. É vendida em folhas, tubos, varas, barras e em fórmas trabalhadas á machina. Para completa informação, escreva-se-nos explicando o que é exigido.

AMERICAN VULCANIZED FIBRE CO.
(FUNDADA EM 1873)
Equitable Building
WILMINGTON, DELAWARE
EndereçoTelegraphico: **Fibre Wilmington**
Capital, $3,000,000.00

Machinismos para Fazer Molas, de Alta Velocidade, Automaticos e Semi-Automaticos

MAIS DE QUARENTA MACHINAS NORMAES

Machinas Universaes para enrolar fios metallicos

EM OITO TAMANHOS

para manipular fio e arame temperado ao oleo de 0,1mm. a 16 mm. de grossura

SLEEPER & HARTLEY, Inc.

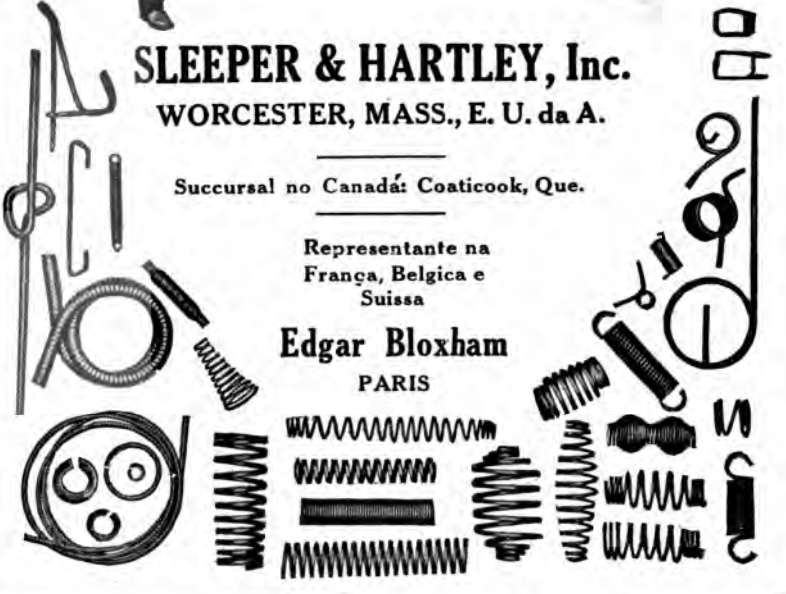
WORCESTER, MASS., E. U. da A.

Succursal no Canadá: Coaticook, Que.

Representante na França, Belgica e Suissa

Edgar Bloxham

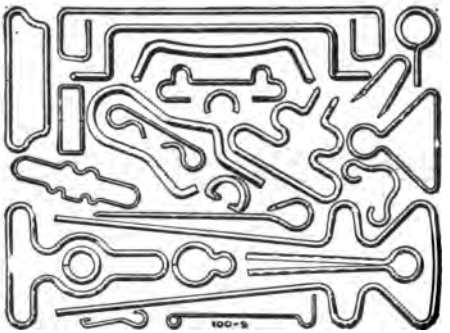
PARIS



FAZEMOS SÓ MACHINAS

Esta gravura mostra a Machina Baird Automatica Standard de quatro Corrediças para preparar arame redondo, meio-redondo, quadrado ou chato.

Feita em 7 tamanhos



Esta gravura serve simplesmente para dar uma idea da variedade de artigos que podem ser feitos com as Machinas Baird Automaticas Standard de quatro Corrediças para preparar Arame.

Machinas feitas em existencia.

Tambem fazemos machinas para todas as especies de artigos de arame, alfinetes, novidades, correntes, botões de metal, colchetes, fivelas, etc.

MACHINAS AUTOMATICAS
PRENSAS AUTOMATICAS MECHANICAS
BARRILETES DE BRUNIR POR FRICÇÃO

Como temos muitas machinas differentes é impossivel mostral-as todas em catalogo ou descrevel-as.

Haja todo o cuidado em remetter com a correspondencia que nos seja dirigida amostras de cada modelo e tamanho dos artigos desejados, assim como indicar a producção media diaria que se pretende de cada.

THE BAIRD MACHINE CO.

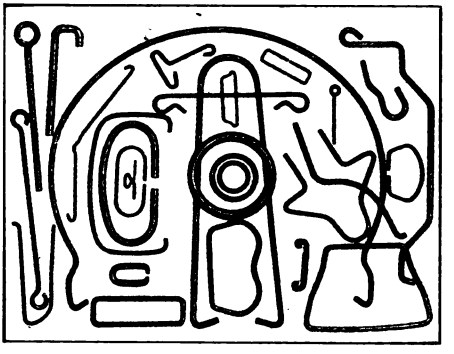
BRIDGEPORT, CONN., E. U. da A.

FENWICK, FRÈRES & CIE., PARIS—Agentes para a França, Belgica, Suissa, Italia, Hespanha, e Portugal

GEO. H. ALEXANDER BIRMINGHAM—Agents para a Grã Bretanha

MACHINAS DE FORMAR ARAME

para fabricar uma variedade de artigos de arame chato e redondo

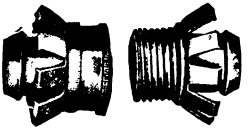


Tambem
Machinas de Endireitar
Carreteis de Arame, inclinados
Prensas Especiaes
Machinas para Ferragens e Machinismo de Piano
Machinas Especiaes de Formar e Curvar Arame

Catalogos enviados mediante requisição

THE A. H. NILSON MACHINE CO.

BRIDGEPORT, CONN. E. U. A.

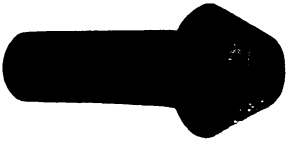


STUBER & KUCK COMPANY

Peoria, Ill., E. U. A.

Fabricantes de Instrumentos de Remendar Mangueiras, Uniões, Orvalhadores de Relva e Mosqueiros, bem como Artigos de Lata, Latas e Especialidades. Peça os nossos preços.

Fazemos uma Especialidade de Arrebites do Melhor Grau de aço Macio



Arrebites

para
Caldeiras
Navios
Pontes
Construcções

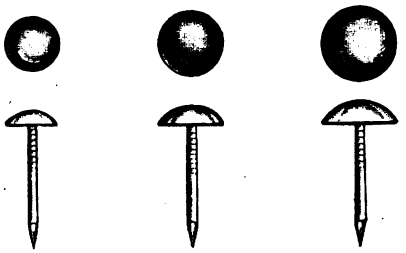
S. Severance Manufacturing Co.

Estabelecida em 1828 Pittsburgh, Pa., E. U. da A.

PREGOS e TACHAS

Para Mobilia e Estofadores,

de todos os tamanhos, modelos e côres,
pelos mais baixos preços do mercado



No. 43 No. 42 No. 41

Peçam catalogo completo apresentando tambem

Correntes Leves, de Segurança e para Gazistas e Apparelhadores, Algemas,

TELA E MALHA DE ARAME

para Camas com colchão de mola, Sofás, Berços e Redes de Suspensão

Fornecem-se orçamentos para fabricação de
Novidades de Latão e Arame

The Mattatuck Mfg. Co.

Waterbury, Conn., E. U. da A.

Escriptorio de New York: 45 JOHN ST.

O ENGATE "PENN"

O nosso ultimo aperfeiçoamento do Engate M.C.B. uma modificação dos nossos Engates "Pitt" e "Jenney X," tão populares, com os mais recentes aperfeiçoamentos.

"LOCK-TO-THE LOCK"

"LOCK-SET," e "KNUCKLE-OPENER"

Peça-nos desenhos e preços

Fabricados exclusivamente pela

THE McCONWAY & TORLEY CO.

PITTSBURGH, PA., E. U. A.

The DAYTON Manufacturing Company

DAYTON, OHIO, E. U. A.

FERRAGENS DE BRONZE E LATÃO PARA CARROS, PARA LATRINAS DE AGUA E DE TERRA, CABOS DE FREIOS, ARTIGOS DE ILLUMINAÇÃO, FECHOS DE PORTAS E CAIXILHOS DE JANELLAS, MATERIAES DE TODAS AS ESPECIES PARA CARROS DE FERRO-VIARIOS ELECTRICOS E A VAPOR, AQUECEDORES INSTANTANEOS DE AGUA PARA BANHO

Catalogos a pedido.

BRONZE METAL COMPANY

FABRICANTES DE

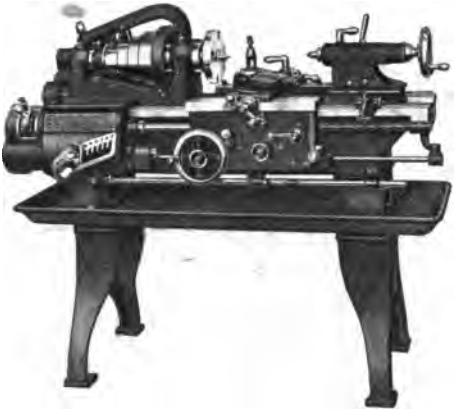
METAL VIM PARA CHUMACEIRAS

Presta excellente serviço em Chumaceiras de Armaduras e de Eixos sem o uso de forro de metal macio

Fabricantes de Latão, Bronze, Fundições de Metal Composto e Metal Babbitt

Chumaceiras para Eixos de Carros e Locomotivas—uma especialidade

30 CHURCH STREET, NEW YORK



TORNOS

de 12, 14, 16, 18, 20 e 24 pollegadas

De Balanço, movidos a Correia e Cone, e

Movidos por Engrenagem

MACHINAS de FREZAR

do Typo de Joelho, Simples e Universaes

Nos. 1, 2 e 3, movidas a Correia e Cone

Nos. 2, 3, e 4, movidas inteiramente por Engrenagens

LIMADORES

de 20 pollegadas, movidos a manivella, de 15 e 20 pollegadas movidos por luva de fricção

Para Quarto de Machinas Ferramentas ou Fins Industriaes Excellente mão d'obra e correcção em todos os casos

The Hendey Machine Company

TORRINGTON, CONN., E. U. A.

CELFOR

As BROCAS e ESCARIADORES "CELFOR" de ALTA VELOCIDADE

SÃO
FORJADOS E TORCIDOS
NÃO FRESADOS

Fórtes- não Frageis
Bem Cortantes
e Duradouros

SÃO MUNIDOS DE ESPIGAS DE AÇO-NICKEL EXTRA-GRANDES SEM CUSTO ADDICIONAL PELO TAMANHO

FABRICADOS EXCLUSIVAMENTE PELA

CLARK EQUIPMENT COMPANY

BUCHANAN, MICHIGAN, E. U. A.

Material de Brunir

Boro-Carbone
TRADE MARK

Electrolon
TRADE MARK
Silicon Carbide

Rebolos

Para Todas as Especies de Trabalho

BORO-CARBONE é Oxido de Aluminio em forma crystallina—um producto do forno electrico, caracterisado por absoluta pureza e uniformidade. Nada há superior para esmerilhar aços e outras materias de alta resistencia de tensão.

ELECTROLON é Carbureto de Silicio—tambem um producto do forno electrico. E' o material mais efficiente para esmerilhar ferro fundido, latão, bronze e outras materias de baixa resistencia tensil.

Todos rigorosamente seleccionados para convirem ao effeito de cada esmerilhação.

AGENCIAS EM TODO O MUNDO

FABRICADO PELA

ABRASIVE COMPANY

PHILADELPHIA, PA.

Chapas de Grampos para Tornos "Sweetland"

De muitos tamanhos e modelos

Grampos para Pratos de Torno

De Engrenagem, de Involuta, Independentes, de Combinação, Torninhos de Engenho de Furar,

Mandris de Plaina Mechanica, etc., etc.

Fabricados por

The Hoggson and Pettis Mfg. Co.

New Haven, Conn., E. U. da A.

Dois Jogos de Grampos, ou **Grampos Massiços Invertiveis**

Machinismo para Productos de Barro

O nosso machinismo póde produzir 5,000 a 500,000 tijolos por dia, e Canos d'Escoamento, Ladrilhos, Canos d'Esgoto e outros Productos em proporção. Fabricamos toda a especie de machinas e apparelhos para o fabrico de Productos de Barro e estamos habilitados a vender qualquer machina ou uma installação completa, bem como machinismo para fabricar tijolos de Areia e Cal.

Somos os maiores fabricantes d'este genero em todo o mundo. Solicitamos correspondencia.

THE AMERICAN CLAY MACHINERY CO.

Bucyrus, Ohio, E. U A.

MERSHON

Serras de Fita de Segunda Serragem, de Alimentação Mechanica, para Todos os Fins.

Endereço Telegraphico: Mershon, Saginaw

Engenhos de Serragem (para tóros), com rodas de 7 pés e 5 pés 6 polls.

W. B. Mershon & Co.

Saginaw, Michigan, E. U. A.

FOLHAS DE PAGAMENTO E DE CUSTO DE TRABALHOS

e Tarefas

O Calculographo

Rigorosa exactidão. Não por conjectura. Um Calculographo imprime

a hora do dia e a data

e o tempo decorrido

em notações que não podem ser alteradas nem contestadas. Podem ser usados todos os tamanhos de cartões. Duração do machinismo garantida.

Peçam folheto gratis "CALCULOS EXACTOS"

CALCULAGRAPH COMPANY

30 Church Street Depto. 29 New York

Imprime Nomes e Endereços

10 Vezes Mais Depressa que á Penna ou Machina d'Escrever

O ADDRESSOGRAPHO imprime nomes e endereços como machina d'escrever 10 VEZES MAIS DEPRESSA que á penna ou machina d'escrever. Evita erros e omissões no endereçar de sobrescriptos, bilhetes postaes, circulares, etiquetas para remessas e de outras especies, e inserir lettras.

INVESTIGUE! Peça o catalogo—não custa nem obriga

Addressograph
TRADE MARK
PRINTS FROM TYPE

934 WEST VAN BUREN STREET CHICAGO, ILL., E. U. A.

TURBINAS HYDRAULICAS SMITH

satisfazem todas as necessidades para columnas de agua de 5 a 600 pés

Construidas em Unidades de Roda Simples e Rodas Multiplas do Typo de Eixo Vertical e Horizontal

Peçam o Catalogo "Q"

S. Morgan Smith Co., York, Pa., E. U. da A.

FILIAES { 76 Monroe Street, CHICAGO, ILL.
176 Federal Street, BOSTON, MASS.
405 Power Building, MONTREAL, QUE.

THE WEST VIRGINIA RAIL COMPANY

HUNTINGTON, W. VA., E.U.A.

Fabricantes de trilhos leves de aço e accessorios, 12, 16, 20, 25, 30, 35, 40 e 45 lbs. por jarda.

Talas d'união e pregões de todos os tamanhos em stock.

Tambem negociamos em trilhos usados, de todos os tamanhos.

Se não sabeis quem faz o que pretendeis, nos Estados Unidos, perguntae á

National Association of Manufacturers

30 Church St.
New York, E. U. da A.

FABRICAMOS
ARMAÇÕES COMPLETAS DE

Guarda-Chuvas

Para o Commercio Extrangeiro
COM

Varetas Macissas ou Ocas

E TAMBEM

VARETAS MACISSAS
VARETAS OCAS
TUBOS D'AÇO

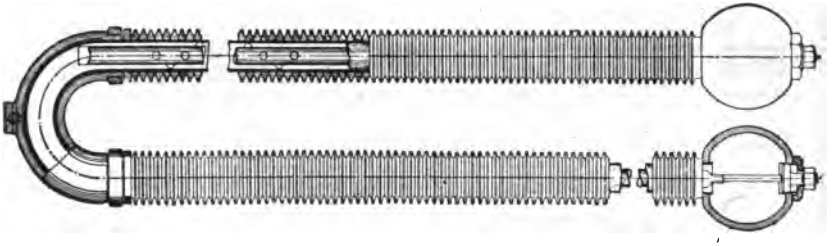
Solicitamos a vossa Correspondencia

Newark Rivet Works

NEWARK, N. J., E. U. da A.

Unicos Agentes Para o Imperio Britannico
HUGH YOUNG & CO.
11 Aldermanbury Ave.
Londres, E. C.

SUPERAQUENTADORES DE FOSTER



FORRO DE FERRO FUNDIDO, DE PATENTE

Os unicos Superaquentadores que teem protecção couraçada

Os aneis de ferro fundido evitam que os tubos de aço se queimem. Não requerem immersão. A maior superficie de calorico por cada pé linear. Superaquentamento uniforme. Economia de combustivel de 7% a 30%.

TYPOS FIXOS

Para installações de caldeiras de todas as especies. Para accendimento independente. Para utilização de calor perdido. Portateis. Modêlos especiaes para trabalhos e processos chimicos.

MARITIMOS

Para calor perdido e de construcção especial.

LOCOMOTIVA

Do typo de tubos.

POWER SPECIALTY CO.,

111 Broadway, New York City.

Boston, Philadelphia, Pittsburgh, Chicago, São Francisco.

Read Machinery Company, Inc.

YORK, PA.
E. U. da A.

MACHINISMO PARA PADARIAS

Sortimento completo de misturadores de massa, machinas de fazer bolos, provadores, peneiros, apparelhos de trabalhar com farinha, etc., machinismo e pertences de alta qualidade e antiga reputação. A' venda para todas as partes do mundo sob garantia absoluta e com agrado geral pela perfeição do serviço.

NATIONAL EQUIPMENT CO.

FABRICANTES DA MAIOR VARIEDADE DE

Machinismos para fazer Bon-Bons e Doces crystallizados e Machinismos para Chocolate

DE TODO O MUNDO

SPRINGFIELD, MASS. E. U. da A.

Installações de Laminagem (Systema Contínuo)
Fieiras Mechanicas para Arame Machinas de Gaz Pobre
Valvulas de Inversão, para Fornos Metallurgicos

Já estabelecémos 97 fabricas nos Estados Unidos da America, Canadá e Europa, para a economica producção n'uma grande escala de especialidades, taes como: Linguados, barras chatas, barras para commercio, varas de arame, ferro de dobra, arcos e tiras metallicas para enfardar algodão.

As Fabricas MORGAN são adequadas á producção de grandes tonelagens.

Fabricamos equipamento completo para fabricas de arame especializando em arame de aço, e muito equipamento que póde ser empregado com o mesmo exito tanto para cobre como para outros metaes.

Os catalogos que publicamos comprehendem apparelhos para fabrica de arame, machinas de gaz pobre e valvulas de inversão.

MORGAN CONSTRUCTION COMPANY

WORCESTER, MASS., E. U. da A

DARLING & COMPANY

Union Stock Yards

CHICAGO, ILLS., E. U. A.

Fabricantes de SEBOS, GRAXAS, COLLAS de OSSO e ALIMENTOS para AVES DOMESTICAS

Se nos enviar amostras do que necessita, teremos muito prazer em informar-lhe se podemos ou não fornecer o que é exigido.

CODIGOS:

A B C Quinta Edição, Cross, Lieber's, Robinson, Western Union

MILLIGAN & HIGGINS GLUE COMPANY

222-24 FRONT STREET

New York, E. U. A.

FABRICANTES DE

COLLA E GELATINA

Para todos os fins	*Fornecidas em todas as fórmas*
TECHNICOS	FOLHA
DIETETICOS	QUEBRADAS
PHARMACEUTICOS	MOIDAS

EM PÓ

George Stratford Oakum Co.

JERSEY CITY, N. J.

Estabelecida em 1860. Os unicos fabricantes dos E. U. A. que produzem toda a qualidade de estopa conhecida. A maior fabrica da sua especie no mundo. Tambem fabricantes de atilhos, papelão de bahú, encadernação e fricção, algodão fiado de calafeto, juta de gacheta alcatroada e não-alcatroada, fôrro de feltro. Exportadores d'estes productos em maior escala que qualquer outra companhia da mesma industria no Districto de New York.

Correias de Couro

Solicitamos correspondencia com conceituados revendedores que tenham stock de correias de transmissão e desejem material garantido contra todos os defeitos de mão d'obra e qualidade. O nosso correame Naiad é de suprema qualidade.

DETROIT OAK BELTING CO.
DETROIT, MICH., E. U. da A.

FORNECIMENTOS NOTAVEIS

Variedades de extraordinaria capacidade productora para as industrias de borracha, photogravura e tecidos. As machinas individuaes são notaveis quanto a alta velocidade sem interrupções de machinismo.

Peça descripções illustradas

JOHN ROYLE & SONS, Paterson, N. J.

Machinas de Fabricar Tubos e Isolar, Teares Circulares, Limadores, Serras, Chanfradores, Micro-Esquinadores, Cortadores, Cortadores de Cartão, Atadores, Reperfuradores.

Correias de Transmissão Cocheco

"As melhores desde 1842"

Fabricamos Correias de couro atanado para transmissão de força motriz e productos alliados:

Atilhos de Couro cru "Cocheco"
Atilhos de Atanado "Oriole Indian Tanned"
Correias solidas redondas "Gilt Edge"
Viras Goodyear "Williams"
Pegamento para Correias "Cocheco"

ha mais de 74 annos. Os nossos productos são considerados os de mais alta qualidade entre todos. Garantimos a todos os importadores os melhores preços para revenda, assim como attenção cuidadosa na execução das encommendas, bom acondicionamento e pronto embarque.

Convidamos todos os importadores que procuram artigos de alta qualidade a dirigirem-se-nos.

I. B. WILLIAMS & SONS
DOVER, N. H.

157 Summer St. BOSTON, MASS. — **71-73 Murray St. NEW YORK, N. Y.** — **14-16 N. Franklin St. CHICAGO, ILL.**

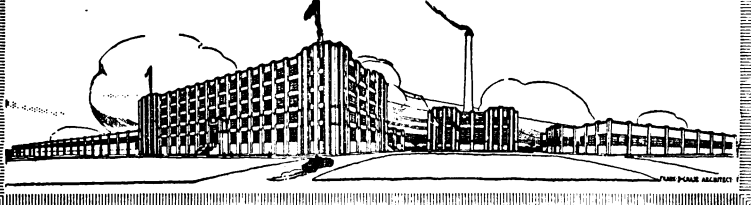
THE WILDER TANNING COMPANY

WAUKEGAN, ILLINOIS, E. U. A.

FABRICAMOS Couro de Chromo para palas e gaspeas de calçado, couro para assentos estofados de automoveis, mobilia e carruagens, e uma variedade de couros especiaes.

Temos uma installação moderna que occupa um espaço de 15 hectareas, 40 annos de experiencia, a clientela dos principaes fabricantes do mundo de automoveis, calçado e de outros ramos d'industria; devendo isto garantir-vos sufficientemente que estamos bem habilitados a fornecer-vos couro adequado ás vossas exigencias.

As vossas indagações serão devidamente apreciadas.



ALMOFADAS PARA ARREIOS DE CAVALLOS

Incluindo um sortimento completo de Almofadas para Colleiras de cavallos, Sellas de montaria, Sellas para cavallos de Carrinhos leves e para Cavallos de Carroças.

Servem para evitar a irritação, esfoladuras e feridas.

TAPATCO

Marca commercial registada

Garante-se EXCELLENCIA DE QUALIDADE, DURAÇÃO, APPARENCIA, PERFEIÇÃO DE MÃO D'OBRA e EFFICACIA não encontradas em outras quaesquer Almofadas no mercado.

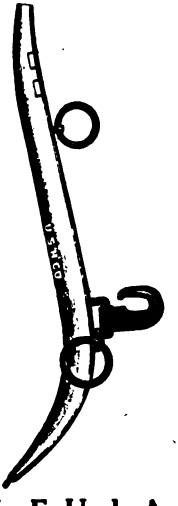
FABRICADAS POR

The American Pad and Textile Co.

GREENFIELD, OHIO, U. S. A.
E CHATHAM, ONTARIO, CANADÁ

Os Maiores Fabricantes do Mundo de Braços e Colleiras para Cavallos

Fabricantes de todos os generos de Braços e Colleiras de Pau e de Aço para arreios pesados e de luxo.



U. S. HAME COMPANY, BUFFALO, N. Y., E. U. da A.

"QUAKER CITY KID"

MARCA REGISTRADA

PELLICA LUSTRADA

Preta e de Côr para Exportação

Fabricada exclusivamente pela

QUAKER CITY MOROCCO CO.

Philadelphia, Pa., E.U.A.

Materiaes para Capotas de Automoveis e Carruagens

Cortinas e Cobertas de Assentos

UNICOS FABRICANTES DE

TRADE MARK

NEVERLEEK

MATERIAL PARA CAPOTAS

F. S. CARR COMPANY

BOSTON, MASS., E. U. da A.

Fornecem-se amostras e preços a requisição

JONAS & NAUMBURG, Inc.

FABRICANTES E IMPORTADORES DE

Pelo para Chapeleiros, Pelles de Coelho, Lebre e Nutria

ESCRIPTORIO CENTRAL—7 WASHINGTON PLACE, NEW YORK

Fabricas nos Estados Unidos e na Europa

Endereço telegraphico—"Paviage, New York"

Codigos usados—Western Union, Lieber's, A. B. C. e particular

The Union Stove Works

Estabelecida am 1834

OS MAIORES EXPORTADORES DE FOGÕES NA AMERICA

Fabricantes de
Fogões de Cozinha e Aquentar
Fogões de Aço, Fogões de Lavanderia, Fogões de Gaz, Fornos de ar Quente, etc.

Fabricantes dos Afamados Fogões de Cozinha "Dover B" e "Astor" para Exportação

Peça o Catalogo

Correspondencia em Todas as Linguas

70 BEEKMAN STREET **New York, E. U. A.**

Endereço Telegraphico:
"Unionstove, New York"

Codigos Usados:
A. B. C. 5a Edição
Lieber's
Western Union

Fabricantes, Productores e Vendedores de

Phosphato em Pedra, Nitrato de Sodio,
Acido Sulphurico, Pyrites,
Phosphato Acido, Superphosphato Concentrado
e Adubos V-C de todas as qualidades, para toda a especie de sementeira

Solicitamos Correspondencia

VIRGINIA-CAROLINA CHEMICAL CO.

Box 1616, A.T.I. **RICHMOND. VA., E. U. A.**

The Equitable Powder Manufacturing Co.

Polvora "Alton" para Pedreira

Explosivos "Alton" de Alta Força

Polvoras de Segurança para Minas de Carvão

Rastilhos

Espoletas

Polvora Preta para Espingarda

Endereço Telegraphico "EQUITABLE"
Escriptorio Geral: EAST ALTON, ILL., E. U. A.

AMERICAN STOVE COMPANY

ST. LOUIS, MO., E. U. da A.

Secção de Exportação: 209 W. 43rd St., New York, N. Y.

Endereço telegraphico: "Ameristove," New York

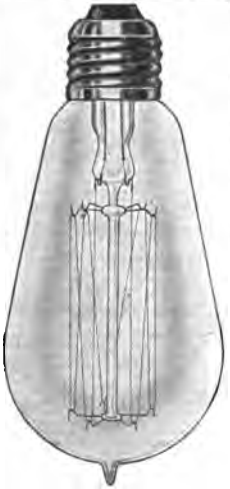
Fogões de Cozinha Electricos
Fogões de Cozinha e Petroleo
Fogões de Cozinha a Alcool
Fogões de Cozinha a Gaz
Lampadas de Soldar Fornos Aquecedores de Agua
Fogões de Aquecimento a Petroleo e Gaz

FOGÕES DE AÇO PARA CARVÃO OU MADEIRA

A American Stove Company fabrica mais fogões do que quaesquer outras tres companhias do mundo juntas

(Da-se a agencia exclusiva)

Lampadas Electricas Incandescentes com Filamento Metallico de Tungstenio e de ½ Watt, Cheias de Gaz e do desenho e construcção mais modernos

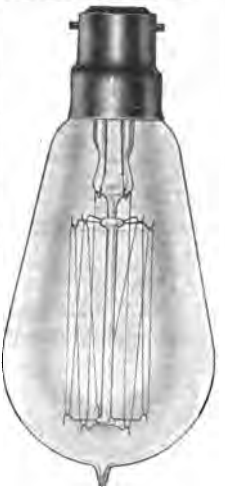


O nome **FRANKLIN** em uma lampada é garantia de excellencia. As lampadas **FRANKLIN** são d'uma só qualidade, a melhor, comprovada por annos de serviço honroso.

Os nossos recursos de fabricação habilitam-nos a satisfazer com a maior brevidade tudo o que se nos requeira em lampadas dos padrões normaes ou especiaes.

Attendemos com esmero o negocio de exportação.

Mandamos pelo correio catalogos e tabellas de preços a quem nos faça requisição.



THE FRANKLIN ELECTRIC MFG. CO.

Escriptorio d'Exportação: Whitehall Bld., 17 Battery Place, Nova York, E. U. da A.

Endereço telegraphico: "LAMPERNA"

ROCKWOOD & COMPANY

Avenidas Washington, Park e Waverly,

BROOKLYN, N. Y., E. U A.

Codigos A B C e Western Union
Endereço telegraphico: WOODROCK BROOKLYN

Fabricantes de Cacau em pó,
Coberturas de Chocolate, Chocolate
doce para comer e Manteiga de Cacau

CHASE BAG CO.

FABRICANTES E VENDEDORES DE

SACCOS DE TODAS AS ESPECIES

ST. LOUIS, MO., E. U. A.

NEW YORK KANSAS CITY CHICAGO DALLAS

ESTABELECIDA EM 1857

THE U. S. BUNG MFG. CO.

50 SOUTH SECOND STREET, BOROUGH OF BROOKLYN, NEW YORK, E. U. A.

FABRICANTES DE

Rolhas de Batoque, Torneiras e Bujões, Tacos de Convez e Cunhas. Buchas de Ferro para Batoques.
Brocas e Verrumões para Batoques.

THE STANDARD OIL CLOTH CO.

(INCORPORADA)

320 Broadway, New York, N. Y., E. U. da A.

Endereço telegraphico: Stocco, N. Y.

FABRICANTES DE:

OLEADO MERITAS, o oleado de melhor qualidade e mais vendavel.

OLEADO MERITAS para prateleiras, para revestimento de prateleiras, &

OLEADO MERITAS, com avesso de flanella para mesa e prateleiras.

OLEADO MERITAS em imitação de couro, incomparavel substituto do couro, feito com urdimento de musselina, lonas, serguilhas, laminado, etc., com acabamento brilhante ou fosco, com o avesso preto ou de côr, em todos os grãos.

OLEADO SANITAS, o moderno forro de parede, é proprio para todos os aposentos de casa. Pendura-se como papel—um panno molhado limpa-o; sanitario e hygienico.

Os nossos productos são usados em quasi todos os paizes do mundo. São considerados como padrão universal de superior qualidade entre todos os productos similares.

Procure-se a nossa marca commercial estampada no avesso de cada jarda dos nossos genuinos artigos.

Fornecem-se amostras a pedido.

AS FABRICAS DA

Hamilton Rubber Manufacturing Co.

TRENTON, N. J.

são a nascente d'onde derivam

OS MATERIAES "HAMILTON"

para todos os mercados do globo

Fabricamos um sortimento completo de **Artigos de Borracha Industrial**

Correias para Transportadores, Correias de Transmissão, Correias para todos os serviços de Machinas, Mangueira para vapor, Mangueira de aspiração, Mangueira de borracha e de algodão com forro de borracha para jardins.
EMPANQUE em folha "PERFECTION" COR DE ROSA, o melhor que se tem fabricado para juntas de vapor. Material preto em folha "PERMANENT."

Camaras d'ar côr de rosa "Perfection"
Camaras d'ar "Perfection Pure Gum"
Pneumaticos "Hamilton Cable Tread"

Escriptorio de Exportação de New York: 149 Church Street

Gerente, MR. J. A. DENNIS

Fabricas e escriptorio central: TRENTON, N. J., E. U. da A.

Fabricantes de

Presilhas elasticas ou não elasticas, Suspensorios, Correagem de algodão, Revestimento para Freios de Automoveis, Discos e Anilhas de Asbesto para Engates, Cabrestos, Sobrecilhas e Arreios de presilha, e todo o genero de Presilhas simples ou impermeaveis.

THE RUSSELL MFG. CO.

MIDDLETOWN, CONN.

ESCRIPTORIOS EM NEW YORK, 349 BROADWAY

Incorporada em 1834 Capital $900,000.00

PRESILHA DE ELASTICO para Ligas, Suspensorios, Espartilhos, Cintos e Calçado.

GALLÕES E CORDÕES DE ELASTICO.

Atacadores de Espartilho, Cordões não elasticos.

Cintas Elasticas para o Braço "Ansonia."

ANSONIA O & C COMPANY

ANSONIA, CONN., E. U. da A.

Artigos Elasticos e Especialidades em Miudezas

Suspensorios para meias
Cintas internas para saias
Atacadores de espartilho
Tecidos elasticos
Cintas para braço
Cordões á maruja
Ligas, de todos os estylos
Cordões de calçado
Aventaes Sanitarios
Alamares de Lingerie
Elastico para chapéos
Artigos sanitarios

FABRICADOS PELA

SAMUEL BUYER & CO.

663-665 BROADWAY NEW YORK, N. Y., E. U. A.

Para Homem Fabricamos

Impermeaveis de Panno e impregnados de borracha
Gabardinas
Sobretudos
Casacos para automovel
Fatos e Sobretudos para chauffeurs
Casacos de sport "Mackinaws"
Fatos para Golf
Fatos "Palm Beach" (para estação de calor) e Fatos tropicaes

Kenyon

Artigos de Borracha

Para Senhora Fabricamos

Casacos e Fatos de sport
Impermeaveis
Casacos "Kenreign"
Sobretudos impregnados de borracha
Casacos para automovel
Casacões
Casacos de patinagem
Casacos largos para menina
Saias para sport
Fatos
Panno Escocez

Lençóes, Cobertores e Especialidades Mechanicas de alta qualidade para Hospitaes.

C. Kenyon Company

(Exclusivamente negocio por atacado)

New York

New York
Fifth Ave. Building
23d St. and 5th Ave.

Chicago
Congress and Franklin Streets

ESTABELECIDA EM 1867 CAPITAL, $1,000,000.00

RETROZES PARA COSTURAR E BORDAR

Fabricamos uma completa variedade, desde a seda crua até ao artigo acabado

Embalagem leve especial para exportação

THISTLEDOWN (TRADE MARK) Popelina de Seda

FABRICADA DE PURA SEDA E PURA LÃ, PURAMENTE TINGIDA DE UM METRO DE LARGURA

Propria para uso em climas quentes ou frios

THE BRAINERD & ARMSTRONG CO.

NEW LONDON, CONN., E. U. A

THE KEMPER-THOMAS COMPANY

CALENDARIOS E NOVIDADES

LEQUES, ARTIGOS DE PANNO E COURO, IMPRESSÃO PELO PROCESSO A CÔRES, TUDO PARA ANNUNCIANTES

CINCINNATI, O. :: :: E. U. A.

Endereço Telegraphico: "KEMTOMCO"

Codigo A. B. C., 4a e 5a Edições

LAKESIDE PAPER COMPANY

NEENAH, WIS., E. U. da A.

Fabricantes de papel de Biblia, de Catalogos, Folio Francez lustroso e sem lustro, Papeis de duplicação, em imitação de casca de cebola, Pergaminho, Tiffany Bond folio de 10 lbs., Papel parafinado, Papeis em relevo, e outras especialidades de contextura pesada ou leve. 50,000 libras em 24 horas.

No. 400

No. 152

No. 54

No. 200

No. 52

No. 500
Furados no pé

Hawkeye Pearl Button Co.

MUSCATINE, IOWA, E. U. A.

Especializamos em negocio de exportação

No. 300
Furados no centro

Solicitamos respeitosamente as vossas consultas sobre variedades de 12 a 60

LIGAS

CINTAS PARA O BRAÇO
SUSPENSORIOS PARA MEIAS
PARA EXPORTAÇÃO

Fina qualidade Preços baixos Bom serviço
Minuciosa attenção com o acondicionamento
Marcas especiaes em encommendas grandes

Ligas de almofada para homem NOSSA ESPECIALIDADE

Correspondencia em todos os idiomas

CRESCENT GARTER CO.

Fabricantes

515-517 BROADWAY, NEW YORK, E. U. da A.

The Adams Manufacturing Co.,

31-33 EAST 32nd. ST., NEW YORK, N. Y.

E. U. DA A.

Fabricantes de

Entretelas grossas e finas para modistas, Materiaes para chapeus, Estofos de Panamá, Willowette, Redes de palha d'arroz, Redes para formas de chapeus, Crinolinas, Tarlatanas, Chiffonettes, Forros d'algodão, Forros mercerisados, Tecidos variados para mosquiteiros.

A. H. RICE CO.

ESTABELECIDA EM 1878

RICE'S SMOOTHEST STRONGEST SEWING SILK

RETROZES E ALAMARES

PARA LOJISTAS, ALFAIATES E FABRICANTES

RICE'S BEST QUALITY BRAIDS

Fabricas:

PITTSFIELD, MASS., E. U. A.

New York Chicago St. Louis

Lincoln Manufacturing Company

FALL, RIVER, MASS., E. U. da A.

Voiles, Cambraias e Tecidos d'Algodão de fantasia

CARVÃO—COKE

Informação sobre todos os Productos Americanos

COKE METALLURGICO

Como um dos maiores fabricantes de Coke na afamada Região de Coke de Connellsville, e dominando a producção d'outras companhias subsidiarias, podemos fornecer Coke de Alta Qualidade, para altos fornos, fundições, refinarias de metaes, etc. A nossa tonelagem é sufficiente para carregar os maiores navios, mediante aviso com pouca antecipação.

CARVÃO BITUMINOSO

Tanto das nossas proprias minas como de minas de companhias subsidiarias, podemos fornecer em tonelagens diarias muito grandes, todas as qualidades de Carvão Bituminoso de Pennsylvania e de Districtos de West Virginia. Temos minas que produzem Carvão de Alta Qualidade, com pouco enxofre, para Gaz, Carvão Derivado para fazer Coke, e Carvão de Vapor ou Combustivel, com pouca ou muita materia volatil.

FACILIDADES DE EXPORTAÇÃO

A nossa Secção d'Exportação, dedicada exclusivamente á exportação de Carvão e Coke para a America do Sul e paizes europeos, está perfeitamente habilitada a attender aos vossos pedidos; por isso apreciará o obsequio das vossas consultas. Terá prazer em dar-vos qualquer informação desejada, mediante pedido.

INFORMAÇÃO ESPECIAL

O nosso negocio põe-nos em intimo contacto com toda a classe de fabricantes americanos, e a nossa Secção d'Exportação terá prazer em indicar-vos (gratis) onde obter quaesquer artigos fabricados nos Estados Unidos da America.

REILLY-PEABODY FUEL COMPANY

PITTSBURGH, PENNSYLVANIA, E. U. A.

Endereço Telegraphico—REIPEA—Pittsburgh

Fig. E. 39—"Y" Duplo, Padrão Americano

Fig. E. 24, Tê Padrão Americano

Fig. E. 87—Siphão com um só respiradoiro Padrão Americano

CANOS E PERTENCES DE FERRO FUNDIDO

PARA TODA A ESPECIE DE ESGOTOS E RESIDENCIAS

No Edificio ou Subterraneos

Fig. E. 1—Tubo de um só cubo, 1m5 de comprido. Padrão Americano

A CENTRAL FOUNDRY COMPANY fabríca Canos de Latrina, de Ferro Fundido, tanto do typo usado nos Estados Unidos da America, como os que conformam com padrões inglezes.

O cano de typo usual, tal como é empregado nos Estados Unidos da America, é vendido em grandes quantidades para o estrangeiro, mas o outro typo (Britannico) é feito para conveniencia dos seus numerosos clientes exportadores.

Preços, impressos, etc., promptamente enviados a quem os requisitar e mencionar as quantidades, etc., desejadas.

CENTRAL FOUNDRY COMPANY
90 WEST STREET, NOVA YORK, E. U. A.

Os Maiores Fabricantes de Canos e Pertences de Ferro Fundido para Esgoto, dos Estados Unidos da America

Fig. SS 1—Padrão Britannico, Cano com um só Prato, Om 9 de comprido; tambem fundido em comprimento de 1 m 8

Fig. SD 131—Siphão, Padrão Britannico com Respiradoiro e Limpadores

Fig. SD 127—Padrão Britannico "Y" com Limpador de Abertura Quadrada

Fig. SS 5—Padrão Britannico, Curvas de 6 mm

Fig. SS 36—Tês de Padrão Britannico

QUANDO VIERDES AOS ESTADOS UNIDOS

frequentae os escriptorios

da

NATIONAL ASSOCIATION OF MANUFACTURERS

30 CHURCH STREET, NEW YORK

Se avisardes a tempo a Associação da vossa projectada visita e das informações que desejaes, encontral-as-heis prontas á vossa chegada.

Prestamos estes serviços aos nossos amigos gratuitamente.

No pessoal da Associação há individuos que falam portuguez.

ADQUIRA CONHECIMENTOS ACERCA DOS ESTADOS UNIDOS DA AMERICA

A America e Industrias Americanas

É UMA REVISTA MENSAL
INTEIRO QUE SE ACHA

Alli publica-se cada m

1. Um artigo illustrad
familiarisando d'este m
dustrial do paiz.

2. Um artigo illustra
importante.

3. Um artigo illustrado
escriptorios e repartiçõe

4. Um artigo escripto
nacionaes, designado a
as relações entre o impo

5. Um directorio resum
ramos de mercadorias, p

6. Uma secção na que
de interesse aos importa

A AMERICA E IND
tudo isto em cada edição
bem redigida e um bello

A circulação combinad
40,000 exemplares por m
Circulações, e contendo p
de Fabricantes American
realisar negocios remune

Solicite um exemplar co
de tomar uma assignatura

AMERICA e INDUSTRIAS AMERICANAS

Orgão Official Internacional da Associação Nacional dos Manufactureiros

30 CHURCH STR. NOVA YORK, N. Y., E. U. A.

This book should be returned to the Library on or before the last date stamped below.

A fine of five cents a day is incurred by retaining it beyond the specified time.

Please return promptly.